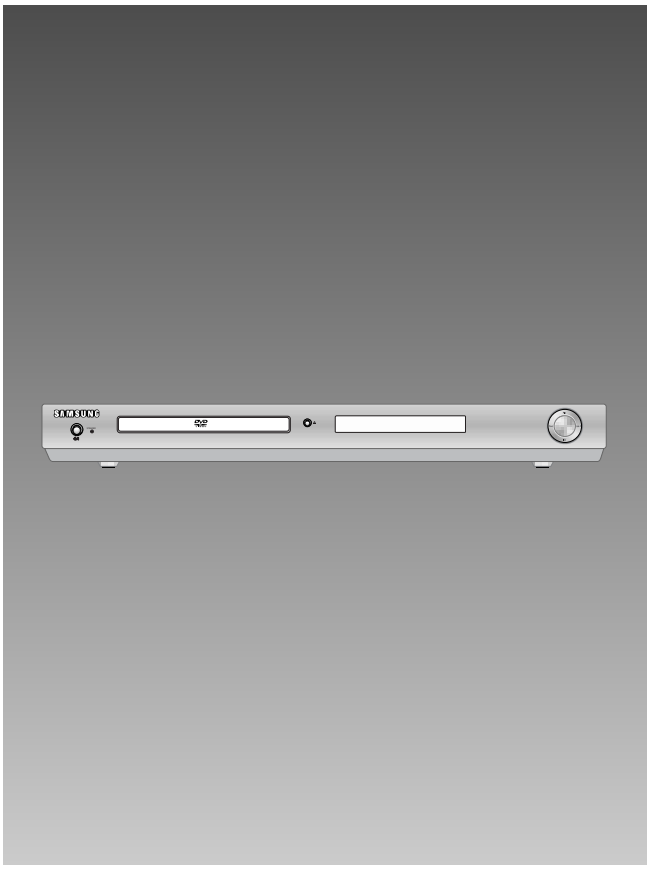
DVD PLAYER

Chassis : Trino
DVD-HD745

SERVICE Manual

If you want to know additional information which is not included on this Service Manual, please refer to the DVD-HD745 Training Manual (AK82-00616A).

DVD PLAYER



CONTENTS

1. Precautions
2. Alignment and Adjustment
3. Exploded Views and Parts List
4. Electrical Parts List
5. Block Diagram
6. Schematic Diagrams

1. Precautions

1-1 Safety Precautions

1) Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

(1) Be sure that no built-in protective devices are defective or have been defeated during servicing. (1)Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience.
(2)When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fish papers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.

(2) Be sure that there are no cabinet openings through which adults or children might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots, and an improperly fitted and/or incorrectly secured cabinet back cover.

(3) Leakage Current Hot Check-With the instrument completely reassembled, plug the AC line cord directly into a 120V AC outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1270 (40.7). With the instrument's AC switch first in the ON position and then in the OFF position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinets, screwheads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis.
Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See Fig. 1-1.
Any measurements not within the limits specified herein indicate a potential shock hazard that must be eliminated before returning the instrument to the customer.

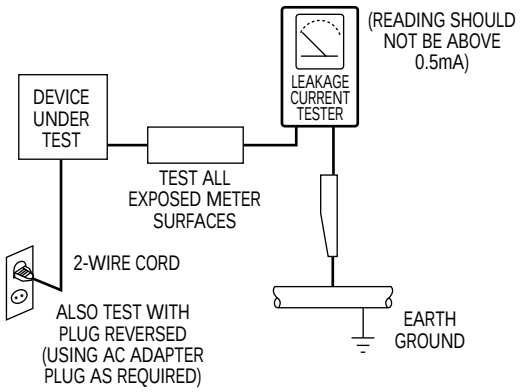

(READING SHOULD NOT BE ABOVE 0.5mA)
LEAKAGE CURRENT TESTER
DEVICE UNDER TEST
TEST ALL EXPOSED METER SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

(4) Insulation Resistance Test Cold Check-(1) Unplug the power supply cord and connect a jumper wire between the two prongs of the plug. (2) Turn on the power switch of the instrument. (3) Measure the resistance with an ohmmeter between the jumpered AC plug and all exposed metallic cabinet parts on the instrument, such as screwheads, antenna, control shafts, handle brackets, etc. When an exposed metallic part has a return path to the chassis, the reading should be between 1 and 5.2 megohm. When there is no return path to the chassis, the reading must be infinite. If the reading is not within the limits specified, there is the possibility of a shock hazard, and the instrument must be repaired and rechecked before it is returned to the customer. See Fig. 1-2.

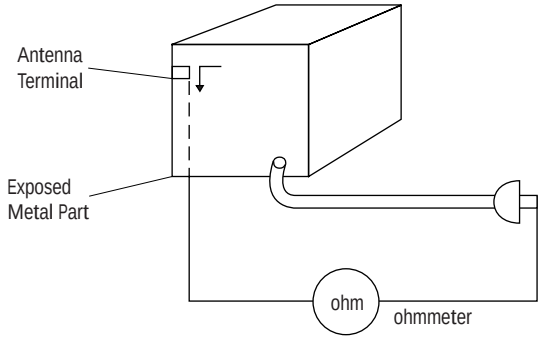


Fig. 1-2 Insulation Resistance Test

2) Read and comply with all caution and safety related notes on or inside the cabinet, or on the chassis.

3) Design Alteration Warning-Do not alter or add to the mechanical or electrical design of this instrument. Design alterations and additions, including but not limited to, circuit modifications and the addition of items such as auxiliary audio output connections, might alter the safety characteristics of this instrument and create a hazard to the user. Any design alterations or additions will make you, the servicer, responsible for personal injury or property damage resulting therefrom.

4) Observe original lead dress. Take extra care to assure correct lead dress in the following areas:
(1) near sharp edges, (2) near thermally hot parts (be sure that leads and components do not touch thermally hot parts), (3) the AC supply, (4) high voltage, and (5) antenna wiring. Always inspect in all areas for pinched, out-of-place, or frayed wiring, Do not change spacing between a component and the printed-circuit board. Check the AC power cord for damage.

5) Components, parts, and/or wiring that appear to have overheated or that are otherwise damaged should be replaced with components, parts and/ or wiring that meet original specifications.
Additionally, determine the cause of overheating and/or damage and, if necessary, take corrective action to remove any potential safety hazard.

6) Product Safety Notice-Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, an (⚠)or a (⚠)on schematics and parts lists. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire and/or other hazards. Product safety is under review continuously and new instructions are issued whenever appropriate.

1-2 Servicing Precautions

CAUTION : Before servicing units covered by this service manual and its supplements, read and follow the Safety Precautions section of this manual.

Note : If unforseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

1-2-1 General Servicing Precautions

(1) a. Always unplug the instrument's AC power cord from the AC power source before (1) re-moving or reinstalling any component, circuit board, module or any other instrument assembly, (2) disconnecting any instrument electrical plug or other electrical connection, (3) connecting a test substitute in parallel with an electrolytic capacitor in the instrument.

b. Do not defeat any plug/socket B+ voltage interlocks with which instruments covered by this service manual might be equipped.

c. Do not apply AC power to this instrument and /or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

d. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the test instrument positive lead. Always remove the test instrument ground lead last.

Note : Refer to the Safety Precautions section ground lead last.

(2) The service precautions are indicated or printed on the cabinet, chassis or components. When servicing, follow the printed or indicated service precautions and service materials.

(3) The components used in the unit have a specified flame resistance and dielectric strength.
When replacing components, use components which have the same ratings. Components identified by shading, by(⚠) or by (⚠) in the circuit diagram are important for safety or for the characteristics of the unit. Always replace them with the exact replacement components.

(4) An insulation tube or tape is sometimes used and some components are raised above the printed wiring board for safety. The internal wiring is sometimes clamped to prevent contact with heating components. Install such elements as they were.

(5) After servicing, always check that the removed screws, components, and wiring have been installed correctly and that the portion around the serviced part has not been damaged and so on. Further, check the insulation between the blades of the attachment plug and accessible conductive parts.

1-2-2 Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power ON. Connect the insulation resistance meter (500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts(see note) should be more than 1 Megohm.

Note : Accessible conductive parts include metal panels, input terminals, earphone jacks, etc.

1-3 ESD Precautions

Electrostatically Sensitive Devices (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity.
Such components commonly are called Electrostatically Sensitive Devices(ESD). Examples of typical ESD devices are integrated circuits and some field-effect transistors and semiconductor chip components. The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

(1) Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

(2) After removing an electrical assembly equipped with ESD devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

(3) Use only a grounded-tip soldering iron to solder or unsolder ESD devices.

(4) Use only an anti-static solder removal devices. Some solder removal devices not classified as “anti-static” can generate electrical charges sufficient to damage ESD devices.

(5) Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ESD devices.

(6) Do not remove a replacement ESD device from its protective package until immediately before your are ready to install it.(Most replacement ESD devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive materials).

(7) Immediately before removing the protective materials from the leads of a replacement ESD device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

(8) Minimize bodily motions when handling unpackaged replacement ESD devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ESD device).

1-4 Handling the optical pick-up

The laser diode in the optical pick up may suffer electrostatic breakdown because of potential static electricity from clothing and your body.

The following method is recommended.

(1) Place a conductive sheet on the work bench (The black sheet used for wrapping repair parts.)

(2) Place the set on the conductive sheet so that the chassis is grounded to the sheet.

(3) Place your hands on the conductive sheet(This gives them the same ground as the sheet.)

(4) Remove the optical pick up block

(5) Perform work on top of the conductive sheet. Be careful not to let your clothes or any other static sources to touch the unit.

- Be sure to put on a wrist strap grounded to the sheet.
- Be sure to lay a conductive sheet made of copper etc. Which is grounded to the table.

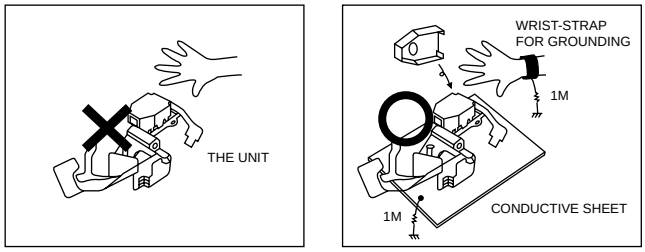


Fig.1-3

(6) Short the short terminal on the PCB, which is inside the Pick-Up ASS'Y, before replacing the Pick-Up. (The short terminal is shorted when the Pick-Up Ass'y is being lifted or moved.)

(7) After replacing the Pick-up, open the short terminal on the PCB.

1-5 Pick-up disassembly and reassembly

1-5-1 Disassembly

1) Remove the power cord.
2) Disassemble the Deck-Assy.
3) Make solder land 2 points short on Pick-up.
   (See Fig. 1-4)
4) Disassemble the Pick-up.

1-5-2 Assembly

1) Replace the Pick-up.
2) Remove the soldering 2 points on Pick-up.
3) Reassemble the Deck-Assy.

Note : If the assembly and disassembly are not done in correct sequence, the Pick-up may be damaged.

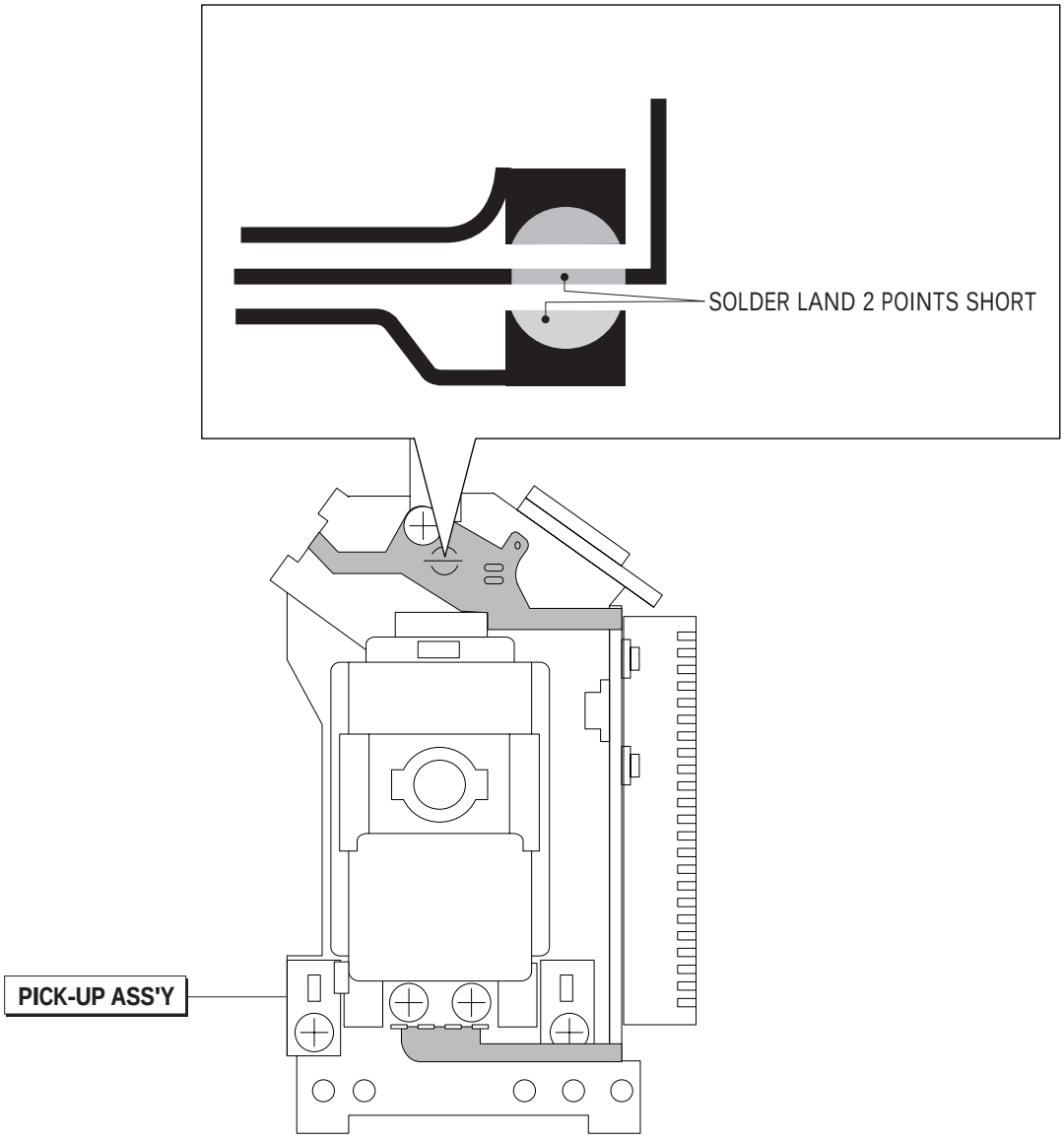


Fig. 1-4

2. Alignment and Adjustment

2-1 Location of Test Point

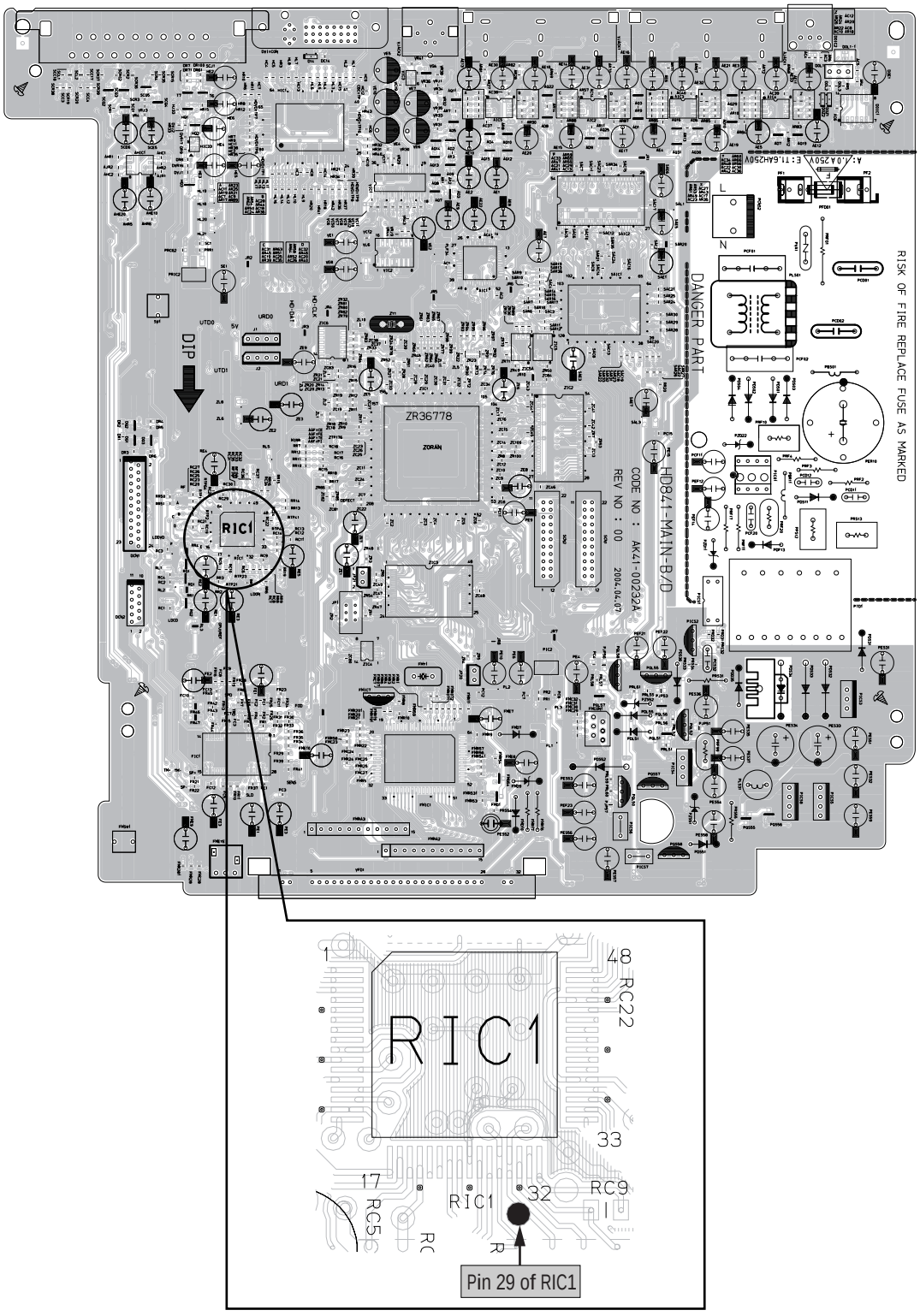


Fig. 2-1 Location of Test Point

2-2 Skew Adjustment

2-2-1 Adjustment Spec. and Test Point

<Table 2-1>

◆ Test Disc ; Service not Available

Test Disc	Adjustment Spec.	Test Point	Adjustment Location
TDV-533 Chapter 14	Flat Waveform	"Pin 29 of RIC1" (Main PCB - Component Side) (See Fig. 2-1)	Screw A / B Ass'y Deck - Top Side (See Fig. 2-2)

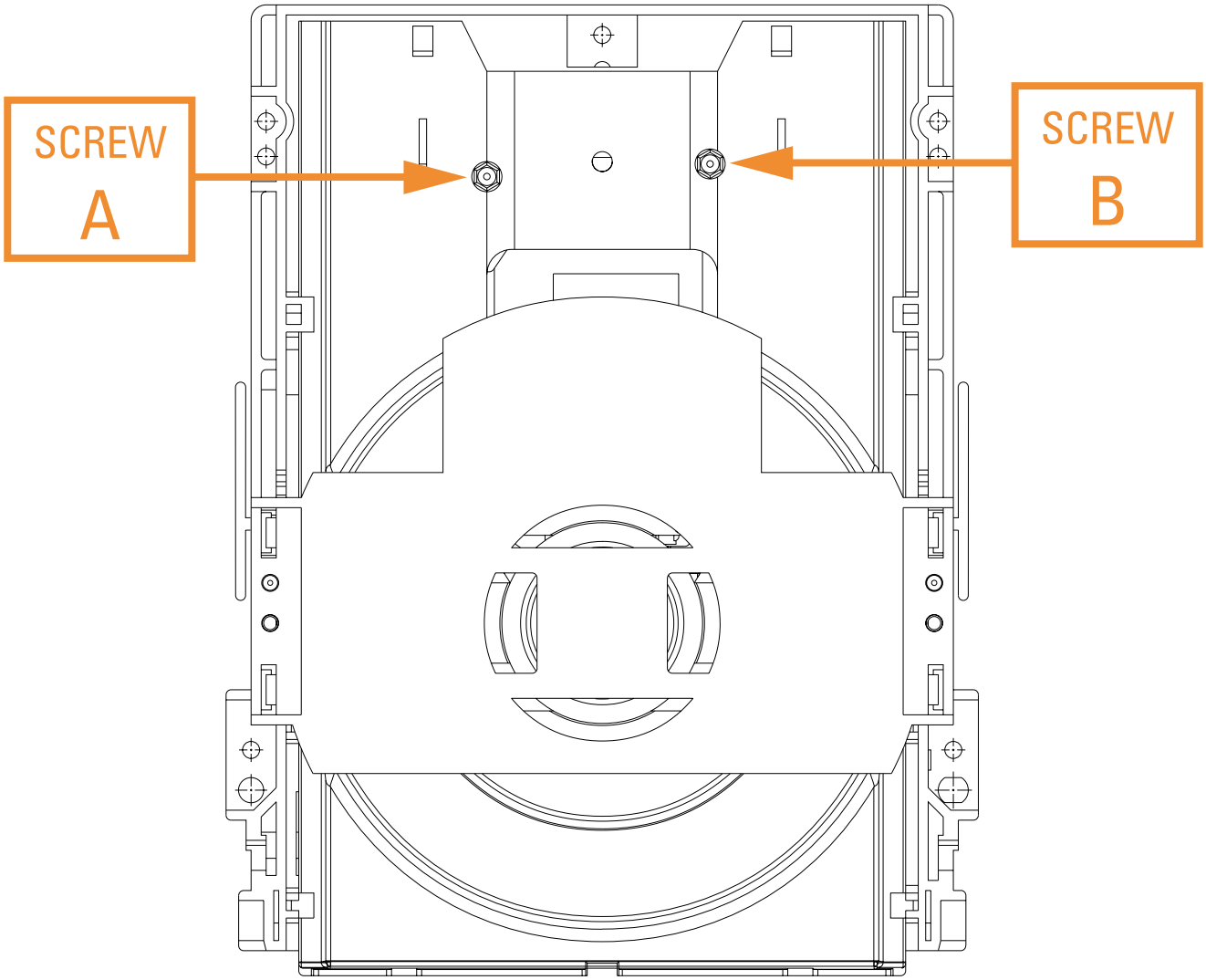


Fig. 2-2 Ass'y Deck (Top Side)

2-2-2 SKEW Adjustment Method

Needed to minimize the variations in Skew of the Pickup unit and to provide optimum match with the recorded signal on the Disc.

1) Connect an Oscilloscope to the “Pin 29 of RIC1” Test Point (See Fig. 2-1).
2) Connect Power, Open the Tray and Play the Ch.14 which is in the TDV-533 Disc.
   ◆ Set the Oscilloscope Range as follows :
   (Voltage ; 20mV / Div., Frequency ; 10m Sec.)
3) Adjust the Screws “A” and “B” (See Fig. 2-2) using a Hex screwdriver until you obtain a Flat Waveform and the picture is stable.
   Then, go to Chapter 1 and make sure the Waveform is Flat here as well.
   If not, you have to go back to Chapter 14 and adjust again.
   If you cannot obtain a Flat waveform, then the unit is defective.

Note : The Deck must be in a horizontal position. Use both “A” and “B” screws to adjust.

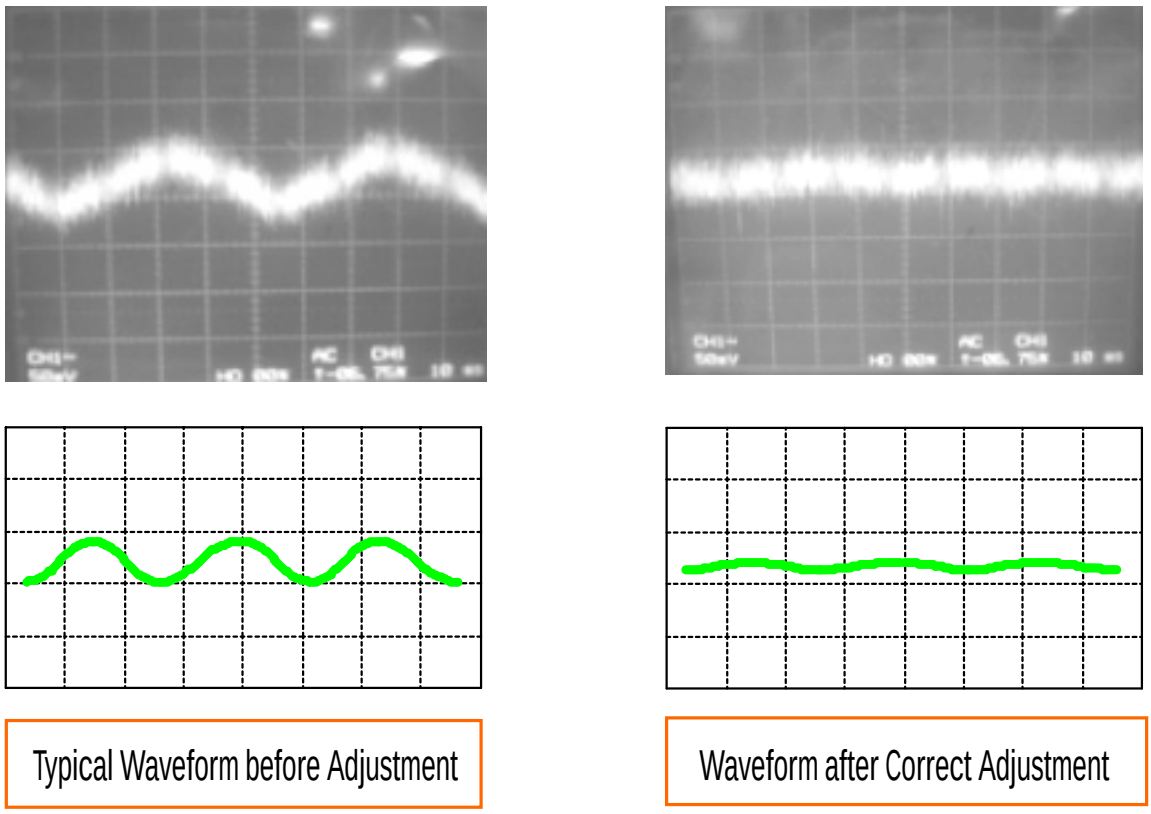


Fig. 2-3 Envelope Waveform

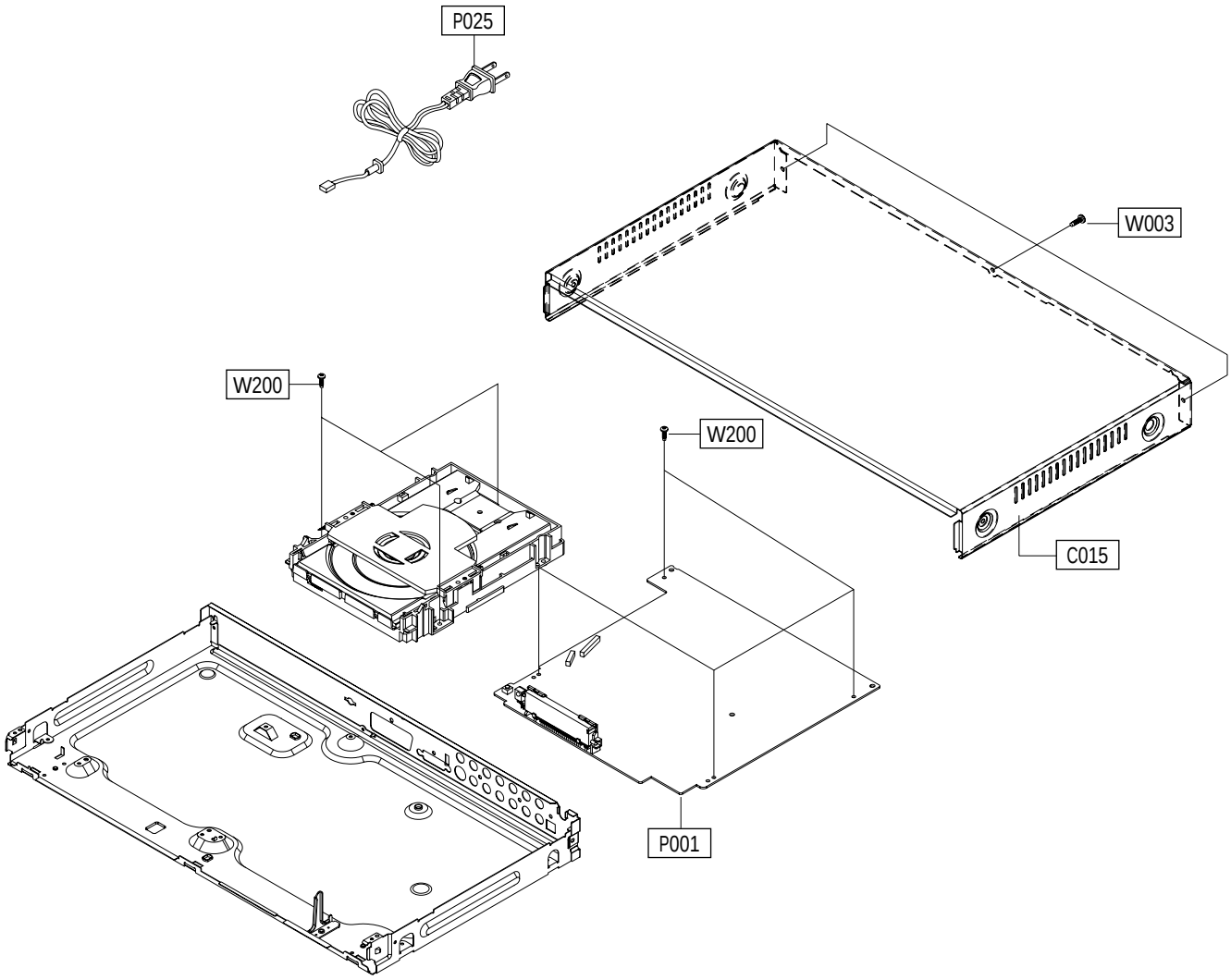
MEMO

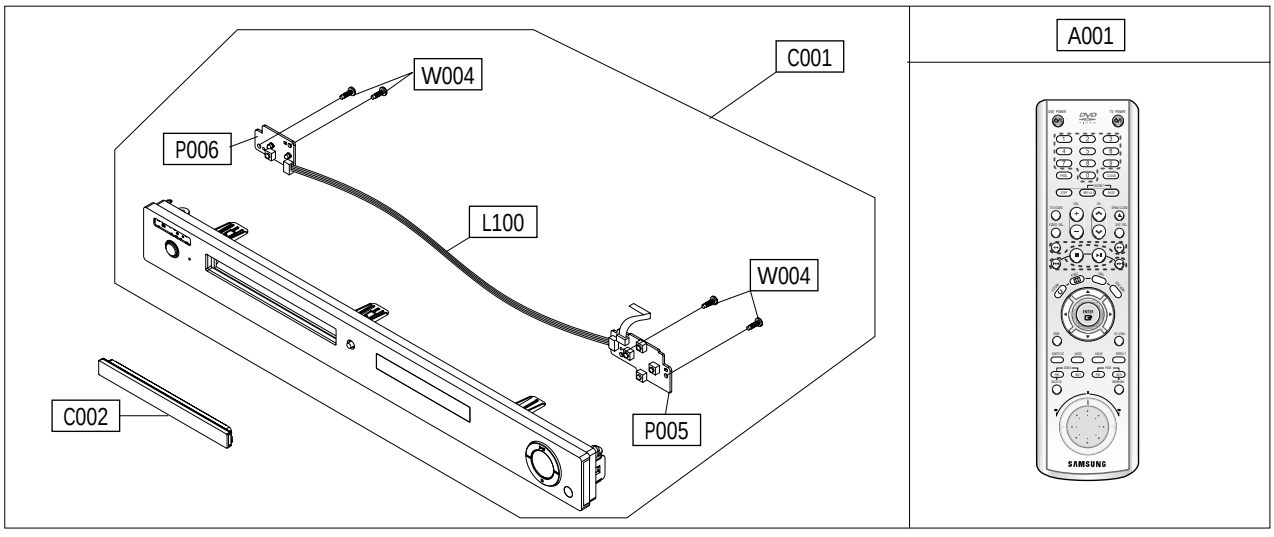
3. Exploded View and Parts List

Page

3-1 Cabinet Assembly - - -

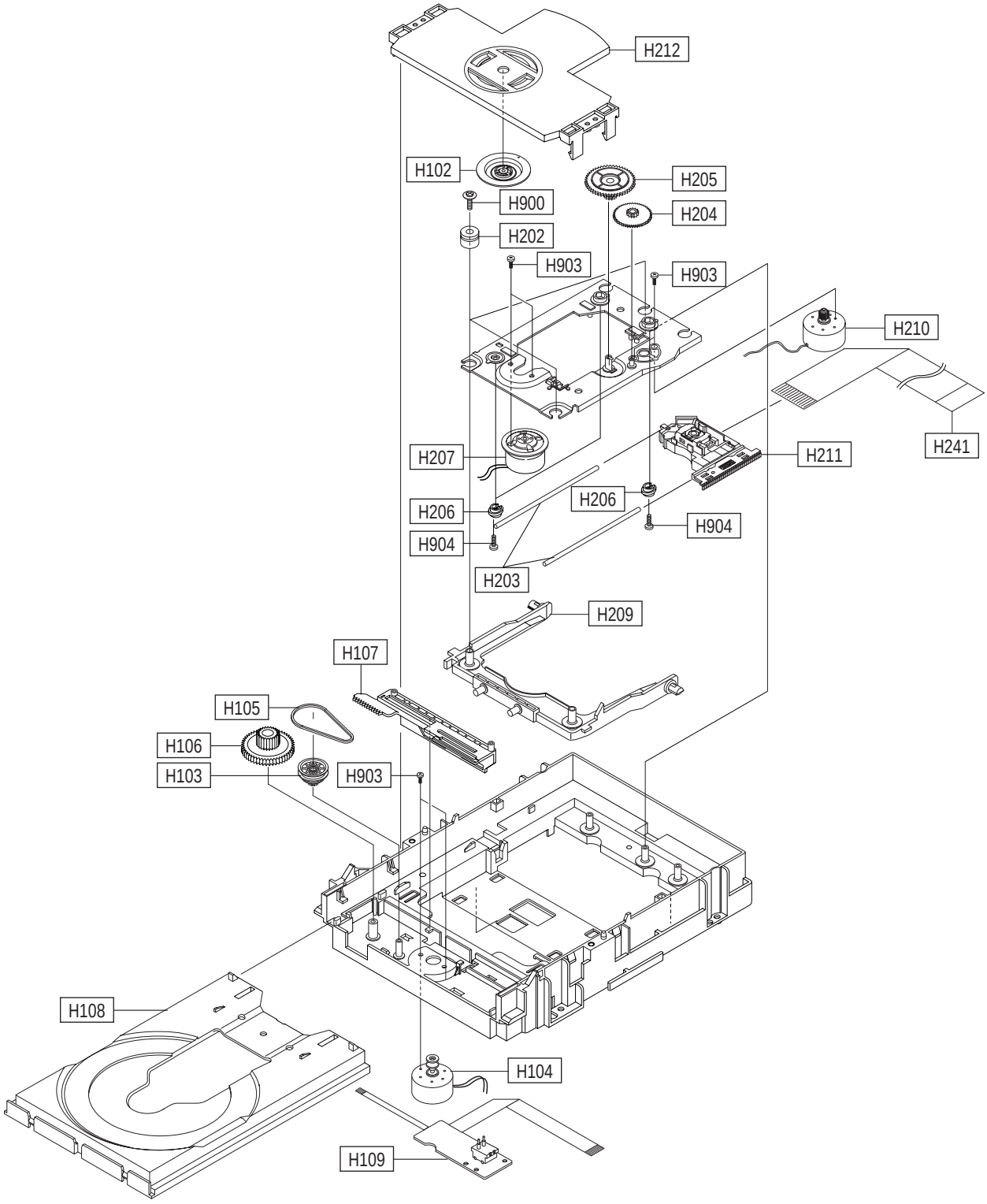
3-1 Cabinet Assembly





Loc. No	Parts No.	Description ; Specification	Remark
A001	AK59-00025A	REMOCON-ASSY;DVD-HD841/XAA,XAA,218*55*21	
C001	AK97-00808B	ASSY CABINET-FRONT;HIPS HB,DVD-HD745/XEL	
C002	AK64-00739A	DOOR-TRAY;DVD-HD841,ABS 94HB,T2,H20,W150	
C015	AK64-00742A	CABINET-TOP;DVD-HD941,PCM,T0.6,W430,L45,	
L100	AK39-00054A	LEAD CONNECTOR-ASS'Y;DVD-HD841,#1007,26,	
P001	AK92-00523A	ASSY PCB-MAIN;DVD-HD745/XEV,MAIN ASS	CIS Only
	AK92-00502A	ASSY PCB-MAIN;DVD-HD745,MAIN PCB ASS	Other Only
P005	AK92-00446A	ASSY PCB-FRONT KEY;DVD-HD841,FRONT KEY A	
P006	AK92-00447A	ASSY PCB-POWER KEY;DVD-HD841,POWER KEY A	
P025	AC39-12022K	CBF-POWER CORD;AT,,GP2,HOUING(2P),250V,3	U.K Only
	AC39-10019A	CBF POWER CORD;KKP-419C,H03VVH2-F,VDE/KE	Other Only
W003	6003-000262	SCREW-TAPTITE;BH,+,B,M3,L6,ZPC(BLK),SWRC	
W004	6003-000283	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	
W200	6003-001375	SCREW-TAPTITE;BH,+,B,M3,L8,ZPC(YEL),SWRC	

3-2 Deck Assembly



Loc. No	Parts No.	Description ; Specification	Remark
H102	AH66-00111B	CLAMPER-ASSY;DP-5,POM,-,-,-,-,BLK,-	
H103	AK66-00042A	GEAR-PULLEY;DP-15,POM,-,-,-,WHT,-,-,-	
H104	AK97-00608A	ASSY-MOTOR LOAD;-,DP-15,-	
H105	6602-001076	BELT-RECTANGULAR;CR,T1.2,4.3%,1.2X25.1,B	
H106	AK66-00041A	GEAR-TRAY;DP-15,POM,-,-,-,WHT,-,-,-	
H107	AK66-00045A	SLIDER HOUSING;DP-15,POM,-,W17.8,L90,WHT	
H108	AK63-00101A	TRAY-DISC;DP-15,ABS,-,W120,L186.3,-,BLK,	
H109	AK92-00328B	ASSY PCB-DECK;DP-15,COMBO	
H202	AK73-00005B	RUBBER-INSULATOR;DP-15,BUTYL,•'12,HS30,H	
H203	AH61-50327A	SHAFT-P/U;DP-3,SUS,L84.7,OD3,-,-,-	
H204	AK66-00043A	GEAR-FEED A;DP-15,POM,-,-,-,-,-,-,-	
H205	AK66-00044A	GEAR-FEED B;DP-15,POM,-,-,-,-,-,-,-	
H206	AK61-00032A	HOLDER-CAM SKEW;DP-9,POM,-,-,-,BLACK,-	
H207	AK31-00014A	MOTOR SPINDLE;DP-15,3000RPM,-,-,-,-	
H209	AK64-00491A	CHASSIS SUB;DP-15,POM,-,-,-,-,-	
H210	AK31-00005A	MOTOR-FEED ASSY;-,DP-9,-,-,-,-,-,-,-,-,-	
H211	AK97-00638B	ASSY-PICK UP;-,SOH-DT2,T544C,TRINO	
H212	AK61-00253A	HOLDER-CHUCK;DP-15,POM,-,-,-,-,-	
H241	AK41-00156B	FFC-PU;DP-15,-,FFC,24,T0.3,RIGHT	
H900	6003-001157	SCREW-TAPTITE;PWH,+,B,M2,L6,ZPC(YEL),SWR	
H903	6001-001370	SCREW-MACHINE;CH,+,M1.7,L3.0,ZPC(YEL),SW	
H904	6002-001086	SCREW-TAPPING;PH,+,B,M1.7,L5.0,ZPC(YEL),	

MEMO

4. Electrical Parts List

Loc.No	Part No	Description ; Specification	Remark
P001	**AK92-00523A**	**ASSY PCB-MAIN;DVD-HD745/XEV,MAIN ASS**	**CIS Only**
	AK92-00502A	**ASSY PCB-MAIN;DVD-HD745,MAIN PCB ASS**	**Other Only**
AC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC10	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC11	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC12	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC23	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC24	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC25	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC26	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC27	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC28	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC29	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC3	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
AC30	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC31	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC32	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC33	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC34	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AC35	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC36	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC37	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC38	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC39	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC40	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC41	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AC9	2203-000357	C-CER,CHIP;0.15NF,5%,50V,C0G,TP,1608	
AD1	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD10	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD2	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD3	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
AD4	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD5	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD6	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD7	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD8	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AD9	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
AE1	2401-000438	C-AL;10UF,20%,25V,GP,-,5X11,5	
AE10	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE11	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE12	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE13	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE14	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE15	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE16	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE17	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE18	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE19	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE2	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
AE20	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE21	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE22	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
AE3	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE30	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
AE31	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
AE32	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
AE33	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
AE4	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE5	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE6	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
AE7	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
AE8	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
AE9	2401-000010	C-AL;220uF,20%,16V,GP,-,6.3x11mm,2.	
AHC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AHC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
AHE10	2401-001250	C-AL;4.7uF,20%,35V,GP,TP,4x5,5	
AHE20	2401-001250	C-AL;4.7uF,20%,35V,GP,TP,4x5,5	
AHIC1	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
AHR1	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AHR2	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
AHR5	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AHR6	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AIC1	1002-001401	IC-D/A CONVERTER;DSD1608,24Bit,TQFP,52P,	
AIC2	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
AIC3	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
AIC4	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
AIC5	1201-000163	IC-OP AMP;4560,SOP,8P,173MIL,DUAL,100V/m	
AJACK1	3722-002200	JACK-PIN;6P,NI,RED/WHT/BLK,ANGLE	
AJR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	CIS Only
AJR2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	CIS Only
AQ10	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ11	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ12	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
AQ13	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
AQ14	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
AQ15	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
AQ16	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ19	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ22	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ25	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ29	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
AQ30	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
AQ31	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
AQ7	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
AQ8	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
AQ9	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150MW,SOT-23,	
AR1	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR10	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR11	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR12	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR13	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR14	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR17	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR18	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR19	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR2	2007-000077	R-CHIP;470ohm,5%,1/10W,TP,1608	
AR20	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR21	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR22	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR23	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR24	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR25	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR26	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR27	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR28	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	

This Document can not be used without Samsung's authorization.

Loc.No	Part No	Description ; Specification	Remark
AR3	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR35	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR36	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR39	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR4	2007-000076	R-CHIP;330ohm,5%,1/10W,TP,1608	
AR40	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR41	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR42	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR43	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR44	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR45	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR46	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR47	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR48	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR49	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR5	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
AR50	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR51	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR52	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR53	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR54	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR55	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR56	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
AR57	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR58	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR59	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR6	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR60	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
AR61	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR62	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR63	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR64	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR65	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR66	2007-000125	R-CHIP;3.9Kohm,5%,1/10W,TP,1608	
AR67	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR68	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR69	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR7	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR70	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR71	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR72	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
AR8	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR81	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR82	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
AR83	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
AR84	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
AR85	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
AR86	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
AR87	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
AR88	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
AR89	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
AR9	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
AR90	2007-000097	R-CHIP;47Kohm,5%,1/10W,TP,1608	
C017	6046-001007	STAND OFF;M3,L5,NI PLT,SUM24L,#4-40	
DC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
DCN1	3708-001696	CONNECTOR-FPC/FFC/PIC;24P,1MM,STRAIGHT,S	
DCN2	3708-001266	CONNECTOR-FPC/FFC/PIC;11P,1MM,STRAIGHT,S	
DOE1	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
DOIC1	AH14-10004R	IC;M74HCU04,SOP,TAPE 14P	
DOIC2	3707-001060	CONNECTOR-OPTICAL;PLUG,GP1FA550TZ,6DB,2.	
DOL1-1	2901-001273	FILTER-EMI SMD;50V,2A,-,220pF,3.2x1.6x0.	
DOL2	3301-001419	BEAD-SMD;-,220,-,500,TP,-,0.3	
DOL3	3301-001419	BEAD-SMD;-,220,-,500,TP,-,0.3	
DQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
DQ2	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
DQ3	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	

Loc.No	Part No	Description ; Specification	Remark
DR1	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR100	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
DR2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR3	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
DR4	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR5	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
DR6	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
DR61	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
DR7	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
DR71	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
DVI_CO	3701-001221	CONNECTOR-DSUB;24P+5C,3R,FEMALE,ANGLE,AU	
DVJ1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
DVJ2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
FC1	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
FC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
FC11	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
FC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
FC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
FC2	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
FC3	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
FC5	2203-000140	C-CER,CHIP;1.5nF,10%,50V,X7R,TP,1608,-	
FC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
FC9	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
FE1	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
FE2	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
FE3	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
FIC1	1003-001735	IC-MOTOR DRIVER;FAN8026G3,SSOPH,28P,18.4	
FL1	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
FMC23	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
FMC24	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
FMC25	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
FMC27	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
FMC28	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FMC29	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FMC30	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FMC31	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FMC32	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
FMC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
FMCON1	3708-001165	CONNECTOR-FPC/FFC/PIC;6P,1.25MM,STRAIGHT	
FMD10	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
FMD7	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
FMD9	0403-000551	DIODE-ZENER;MTZ3.9B,3.89-4.16V,500MW,DO-	
FME10	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
FME7	2401-002438	C-AL;47uF,20%,50V,WT,TP,6.3x11,5	
FME8	2401-002438	C-AL;47uF,20%,50V,WT,TP,6.3x11,5	
FME9	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
FMEYE	0609-001198	MODULE REMOCON;VERTICAL,19MM,TR	
FMIC1	AK09-00040B	IC MICOM;GM581C2020,DVD-HD841,64PIN,2.7	
FMIC7	1203-001252	IC-VOL. DETECTOR;7545,TO-92,3P,-,PLASTIC	
FMQ1	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
FMQ54	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
FMR07	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
FMR071	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
FMR072	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
FMR1	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR10	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
FMR11	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR16	2001-000027	R-CARBON;100OHM,5%,1/4W,AA,TP,2.4X6.4MM	
FMR17	2001-000027	R-CARBON;100OHM,5%,1/4W,AA,TP,2.4X6.4MM	
FMR19	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	
FMR191	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
FMR2	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR20	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	
FMR201	2007-000123	R-CHIP;1.5Kohm,5%,1/10W,TP,1608	
FMR21	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	
FMR22	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
FMR23	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	
FMR24	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	
FMR25	2007-000083	R-CHIP;3Kohm,5%,1/10W,TP,1608	
FMR28	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
FMR281	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
FMR3	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR4	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR5	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR53	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	
FMR531	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
FMR54	2007-000539	R-CHIP;200ohm,5%,1/10W,TP,1608	
FMR541	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
FMR56	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
FMR57	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
FMR58	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
FMR59	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR6	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
FMR9	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
FMSW1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FMY1	2802-001094	RESONATOR-CERAMIC;4.0MHz,0.5%,TP,8x3x5.5	
FR1	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	
FR10	2007-000092	R-CHIP;15Kohm,5%,1/10W,TP,1608	
FR11	2007-000655	R-CHIP;27Kohm,5%,1/10W,TP,1608	
FR13	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
FR15	2007-000655	R-CHIP;27Kohm,5%,1/10W,TP,1608	
FR16	2007-007277	R-CHIP;392ohm,1%,1/10W,TP,1608	
FR19	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
FR2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
FR21	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
FR22	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
FR23	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
FR24	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
FR25	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
FR26	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
FR28	2007-007277	R-CHIP;392ohm,1%,1/10W,TP,1608	
FR3	2007-000098	R-CHIP;56Kohm,5%,1/10W,TP,1608	
FR30	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
FR31	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	
FR32	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
FR33	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
FR34	2007-000134	R-CHIP;33Kohm,5%,1/10W,TP,1608	
FR35	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
FR36	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
FR37	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
FR39	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
FR4	2007-000655	R-CHIP;27Kohm,5%,1/10W,TP,1608	
FR41	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
FR42	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
FR43	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
FR44	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
FR45	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
FR46	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
FR5	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
FR7	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
FR8	2007-000086	R-CHIP;5.6Kohm,5%,1/10W,TP,1608	
FR9	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
HC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
HE2	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
HE3	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
HE4	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
HE5	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
HE6	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
HIC1	1204-002313	IC-VIDEO PROCESS;ZR36721,PQFP,80P,14x20m	
HL1	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL10	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL11	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL12	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL13	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL14	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL15	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL16	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL17	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HL18	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
HL19	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
HL2	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL20	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
HL21	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
HL3	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL4	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL5	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL6	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL7	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL8	2007-000072	R-CHIP;47ohm,5%,1/10W,TP,1608	
HL9	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HQ1	0504-000129	TR-DIGITAL;KSR1104,NPN,200mW,47K/47K,SOT	
HR10	2007-007277	R-CHIP;392ohm,1%,1/10W,TP,1608	
HR11	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
HR12	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
HR15	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
HR18	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
HR20	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
HR21	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
HR3	2007-007277	R-CHIP;392ohm,1%,1/10W,TP,1608	
HR31	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR32	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR33	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
HR35	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR36	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR37	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR38	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR39	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR40	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR43	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
HR6	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
HR7	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
HR8	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
HR9	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
JR1	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR10	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR2	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR3	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR4	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR5	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR6	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR7	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
JR8	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
JR9	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
PBR11	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	
PBS01	3301-000297	BEAD-AXIAL;25ohm,3.6x1.2x5.7mm,,TP,,,	

Loc.No	Part No	Description ; Specification	Remark
PC1	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
PC11	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
PC12	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
PC15	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
PC3	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
PC4	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
PC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PCD01	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	
PCD02	2201-000963	C-CERAMIC,DISC;1NF,20%,400V,Y5U,TP,9.5X6	
PCD11	2305-001029	C-FILM,LEAD-PEF;10nF,10%,630V,TP,12x9x12	
PCD12	2201-000129	C-CERAMIC,DISC;0.1NF,10%,1KV,Y5P,TP,7X4M	
PCF01	2305-001021	C-FILM,LEAD-PEF;100nF,20%,275V,TP,17.5x7	
PCF02	2305-001021	C-FILM,LEAD-PEF;100nF,20%,275V,TP,17.5x7	
PCF11	2401-002608	C-AL;33uF,20%,35V,GP,TP,5x11,5	
PCF20	2201-000379	C-CERAMIC,DISC;22NF,+80-20%,50V,Y5V,TP,9	
PCNS2	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA	
PCS32	2301-000129	C-FILM,LEAD-PEF;100nF,5%,50V,TP,10X9X4.3	
PDD35	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
PDF13	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
PDL51	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PDL55	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PDS01	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
PDS02	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
PDS03	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
PDS04	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
PDS11	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	
PDS31	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
PDS32	0402-001194	DIODE-RECTIFIER;SHG2D,200V,2A,-,TP	
PDS33	0402-001438	DIODE-RECTIFIER;SHK55-65,60V,3A,TO-220AC	
PDS34	0404-001180	DIODE-SCHOTTKY;SE55,45V,5000MA,TO-220A,B	
PDS36	0402-001195	DIODE-RECTIFIER;F1T4,400V,1A,DO-204AC,TP	
PDS51	0401-000101	DIODE-SWITCHING;1N4148,75V,150MA,DO-35,T	
PDS52	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
PE1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE10	2401-001874	C-AL;100uF,20%,25V,WT,TP,6.3x11,5	
PE3	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PE4	2401-001874	C-AL;100uF,20%,25V,WT,TP,6.3x11,5	
PE6	2401-001874	C-AL;100uF,20%,25V,WT,TP,6.3x11,5	
PE9	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PEF12	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
PEF14	2401-002069	C-AL;33uF,20%,16V,GP,TP,6.3x5,5	
PEF21	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PEF22	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PEF23	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PER10	2401-001682	C-AL;82uF,20%,400V,GP,BK,22x25,10	
PES31	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PES32	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PES33	2401-003059	C-AL;1000UF,20%,16V,WT,TP,10X16,5	
PES34	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
PES35	2401-002438	C-AL;47uF,20%,50V,WT,TP,6.3x11,5	
PES36	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
PES37	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
PES51	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
PES52	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
PES53	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PES54	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
PES56	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PES57	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
PES58	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
PES59	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
PFD01	3601-001123	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,CERAMI	
PIC01	1203-002651	IC-PWM CONTROLLER;ICE2B265,DIP,8P,9.52X6	
PIC2	1203-002779	IC-POSI.FIXED REG.;G952T63U,SOT-223,3P,6	
PICS1	0604-001028	PHOTO-COUPLER;TR,50-600%,250mW,DIP-4,ST	
PICS2	AC14-12006D	IC;KA431Z,TO-92,TAPING	
PICS3	1203-000122	IC-NEGA.FIXED REG.;7908,TO-220,3P,-,PLAS	
PICS4	1203-000293	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLAS	
PICS5	1203-002185	IC-POSI.FIXED REG.;3RD13,TO-220,4P,402MI	
PICS8	1203-002185	IC-POSI.FIXED REG.;3RD13,TO-220,4P,402MI	
PJP57	2007-000029	R-CHIP;0ohm,5%,1/8W,TP,2012	
PL2	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
PL3	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
PLF34	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
PLS01	AC29-00003A	FILTER LINE NOISE;-,20mH MIN,-,-,-	
PLS31	AC27-12001N	COIL CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
PPS12	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X6.5X18M	
PQL51	0504-000152	TR-DIGITAL;KSR2101,PNP,200mW,4.7K/4.7K,S	
PQL52	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
PQL55	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,T0-9	
PQL56	0504-000152	TR-DIGITAL;KSR2101,PNP,200mW,4.7K/4.7K,S	
PQL57	0504-000126	TR-DIGITAL;KSR1101,NPN,200mW,4.7K/4.7K,S	
PQL58	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
PQS55	0504-000156	TR-DIGITAL;KSR2103,PNP,200MW,22K/22K,SOT	
PQS56	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
PQS57	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000MW,TO	
PQS58	0501-000362	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1000MW,TO	
PR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
PRC62	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
PRD31	2007-000122	R-CHIP;1.2Kohm,5%,1/10W,TP,1608	
PRD32	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
PRF01	2002-000121	R-COMPOSITION;1Mohm,10%,1/2W,AA,TP,3.5x9	
PRF10	2006-000262	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20.	
PRF11	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	Other Only
	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	CIS Only
PRF17	2001-000527	R-CARBON;22OHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRF2	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	
PRF20	2003-000119	R-METAL OXIDE;0.68ohm,5%,2W,AE,TP,6x16mm	
PRF3	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	
PRF4	2001-000546	R-CARBON;270KOHM,5%,1/4W,AA,TP,2.4X6.4M	
PRIC2	1203-002779	IC-POSI.FIXED REG.;G952T63U,SOT-223,3P,6	
PRL51	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
PRL52	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
PRL55	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
PRL56	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
PRL57	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
PRL58	2007-000124	R-CHIP;2.2Kohm,5%,1/10W,TP,1608	
PRL61	2007-000023	R-CHIP;120ohm,5%,1/8W,TP,2012	
PRR1	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
PRS13	2006-000273	R-CEMENT;27KOHM,5%,2W,CA,BK,6.4X6.5X18M	
PRS31	2001-000440	R-CARBON;1OHM,5%,1/8W,AA,TP,1.8X3.2MM	
PRS32	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
PRS33	2007-000842	R-CHIP;3Kohm,1%,1/10W,TP,1608	
PRS34	2007-000491	R-CHIP;2.2KOHM,1%,1/10W,DA,TP,1608	
PRS54	2007-000491	R-CHIP;2.2KOHM,1%,1/10W,DA,TP,1608	
PRS55	2001-000855	R-CARBON;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	
PTD1	AK26-00017A	TRANS SWITCHING;EE2622,DVD-HD745,-,FREE,	
PVA1	1405-000186	VARISTOR;470V,2500A,17.5x7.5mm,TP	
PZD11	0403-001318	DIODE-ZENER;MTZJ4.3B,4.17-4.43V,500MW,DO	
PZD22	0403-000752	DIODE-ZENER;MTZJ22C,21.08-22.17V,500MW,D	
PZS51	0403-000717	DIODE-ZENER;MTZJ5.1B,4.94-5.2V,500MW,DO-	
PZS52	0403-001211	DIODE-ZENER;MTZJ12B,11.8-12.3V,500MW,DO-	
RC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC12	2203-001126	C-CER,CHIP;0.68nF,10%,50V,X7R,TP,1608	
RC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC15	2203-001662	C-CER,CHIP;5.6NF,10%,50V,X7R,TP,1608	
RC16	2203-000783	C-CER,CHIP;0.33NF,5%,50V,C0G,TP,1608	
RC17	2203-001662	C-CER,CHIP;5.6NF,10%,50V,X7R,TP,1608	
RC18	2203-001052	C-CER,CHIP;0.56nF,10%,50V,X7R,TP,1608	
RC19	2203-000815	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
RC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC20	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC21	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC22	2203-002041	C-CER,CHIP;0.47nF,10%,50V,X7R,TP,1608	
RC23	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC24	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC25	2203-000491	C-CER,CHIP;2.2nF,10%,50V,X7R,TP,1608,-	
RC28	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC29	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC30	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC32	2203-001662	C-CER,CHIP;5.6NF,10%,50V,X7R,TP,1608	
RC33	2203-001662	C-CER,CHIP;5.6NF,10%,50V,X7R,TP,1608	
RC34	2203-000440	C-CER,CHIP;1nF,10%,50V,X7R,TP,1608,-	
RC35	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
RC36	2203-001662	C-CER,CHIP;5.6NF,10%,50V,X7R,TP,1608	
RC37	2203-001662	C-CER,CHIP;5.6NF,10%,50V,X7R,TP,1608	
RC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RC6	2203-001103	C-CER,CHIP;6.8nF,10%,50V,X7R,TP,1608,-	
RC7	2203-001634	C-CER,CHIP;33nF,10%,50V,X7R,TP,1608,1.6m	
RC8	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
RC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
RD1	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
RE1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
RE2	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
RE5	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
RIC1	AK13-00005A	IC ASIC;SP3723DE0PM,EXINO2,64,5,+135,Q	
RL1	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
RL2	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
RL3	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
RL5	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
RQ1	0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	
RQ2	0501-000279	TR-SMALL SIGNAL;KSA1182-Y,PNP,150mW,SOT-	
RR1	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	
RR10	2007-000234	R-CHIP;1.3Kohm,5%,1/10W,TP,1608	
RR11	2007-000094	R-CHIP;22Kohm,5%,1/10W,TP,1608	
RR12	2007-000234	R-CHIP;1.3Kohm,5%,1/10W,TP,1608	
RR13	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
RR14	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
RR15	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
RR16	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
RR17	2007-007549	R-CHIP;4.99Kohm,1%,1/10W,TP,1608	
RR18	2007-000052	R-CHIP;10Kohm,1%,1/10W,TP,1608	
RR2	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
RR20	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
RR3	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
RR4	2007-000312	R-CHIP;10ohm,5%,1/4W,TP,3216	
RR5	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
RR50	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
RR51	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
RR7	2007-000381	R-CHIP;13Kohm,5%,1/10W,TP,1608	
SAC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC13	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC18	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
SAC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC20	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC21	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC22	2203-000280	C-CER,CHIP;0.01NF,0.5PF,50V,C0G,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
SAC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SAE1	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
SAE3	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
SAE5	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
SAE6	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
SAE7	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
SAIC1	1204-002288	IC-DECODER;SAA7893HL,LQFP,128P,20x14mm,P	
SAIC2	1105-001305	IC-DRAM;4S641632,1MX16X4BIT,TSOP,54P,4	
SAL1	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
SAL3	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
SAR10	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR11	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR12	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR13	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR14	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR15	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR16	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR17	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR19	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
SAR20	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
SAR21	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
SAR22	2007-000082	R-CHIP;3.3Kohm,5%,1/10W,TP,1608	
SAR23	2007-000091	R-CHIP;12Kohm,5%,1/10W,TP,1608	
SAR24	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
SAR25	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
SAR26	2007-000450	R-CHIP;180ohm,5%,1/10W,TP,1608	
SAR27	2007-000075	R-CHIP;220ohm,5%,1/10W,TP,1608	
SAR28	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
SAR29	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
SAR30	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
SAR32	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
SAR33	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
SAR35	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
SC1	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
SCC17	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
SCC18	2203-001607	C-CER,CHIP;0.22nF,5%,50V,NP0,-,1608	
SCC3	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SCC4	2203-000236	C-CER,CHIP;0.1NF,5%,50V,C0G,TP,1608	
SCE5	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
SCE6	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
SCJ1	3722-001359	JACK-SCART;21P-,SN,BLK,#20-28	
SCL1	2703-000125	INDUCTOR-SMD;10uH,10%,2012	
SCL2	2703-000125	INDUCTOR-SMD;10uH,10%,2012	
SCQ1	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
SCQ2	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
SCQ3	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150MW,SOT-23,	
SCQ4	0504-000128	TR-DIGITAL;-,NPN,200MW,22K/22K,SOT-23,TP	
SCQ5	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150MW,SOT-23,	
SCR02	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	
SCR1	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
SCR15	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
SCR19	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
SCR2	2007-000120	R-CHIP;680ohm,5%,1/10W,TP,1608	
SCR20	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
SCR3	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
SCR35	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
SCR36	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
SCR37	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
SCR38	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	
SCR39	2007-000102	R-CHIP;100Kohm,5%,1/10W,TP,1608	

This Document can not be used without Samsung's authorization.

Loc.No	Part No	Description ; Specification	Remark
SCR4	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
SE1	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
T6	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
T7	0401-000008	DIODE-SWITCHING;DAN217,80V,100MA,SOT-23,	
VC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC19	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC50	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
VE1	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
VE16	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
VE2	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
VE4	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
VE5	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
VE6	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
VE7	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
VE8	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
VFD1	AK07-00010A	VFD DISPLAY;DVD-E332,HNV-08SS53,GREEN,8G	
VIC1	1204-001978	IC-VIDEO PROCESS;LA73054,-,36P,-,SSOP,7V	
VIC2	AH14-10004T	IC-ANALOG M/PLEXER;MC14053BD,SOP,TAPE 16	
VIC3	1204-001748	IC-SELECTOR;MM1503XN,SOP,6P,63MIL,PLASTI	
VJACK1	3722-002097	JACK-PIN;7P+4P,Ni,BLK,ANGLE	
VL6	2703-000398	INDUCTOR-SMD;10uH,10%,3225	
VQ4	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
VR29	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
VR30	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
VR31	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
VR33	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
VR34	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
VR35	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
VR36	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
VR38	2007-000119	R-CHIP;560ohm,5%,1/10W,TP,1608	
VR4	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
VR41	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
VR43	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
VR44	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
VRJ1	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
VRJ2	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
VRJ3	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
VRJ9	2007-000090	R-CHIP;10Kohm,5%,1/10W,TP,1608	
ZC10	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC100	2203-000332	C-CER,CHIP;0.012NF,5%,50V,C0G,TP,1608	
ZC11	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC12	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC14	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC15	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC16	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC17	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC18	2203-000815	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,1608	
ZC19	2203-000815	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,1608	
ZC2	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC20	2203-000815	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,1608	
ZC21	2203-000815	C-CER,CHIP;0.033NF,5%,50V,C0G,TP,1608	
ZC22	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC23	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC24	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC25	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC26	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC27	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC28	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC29	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	

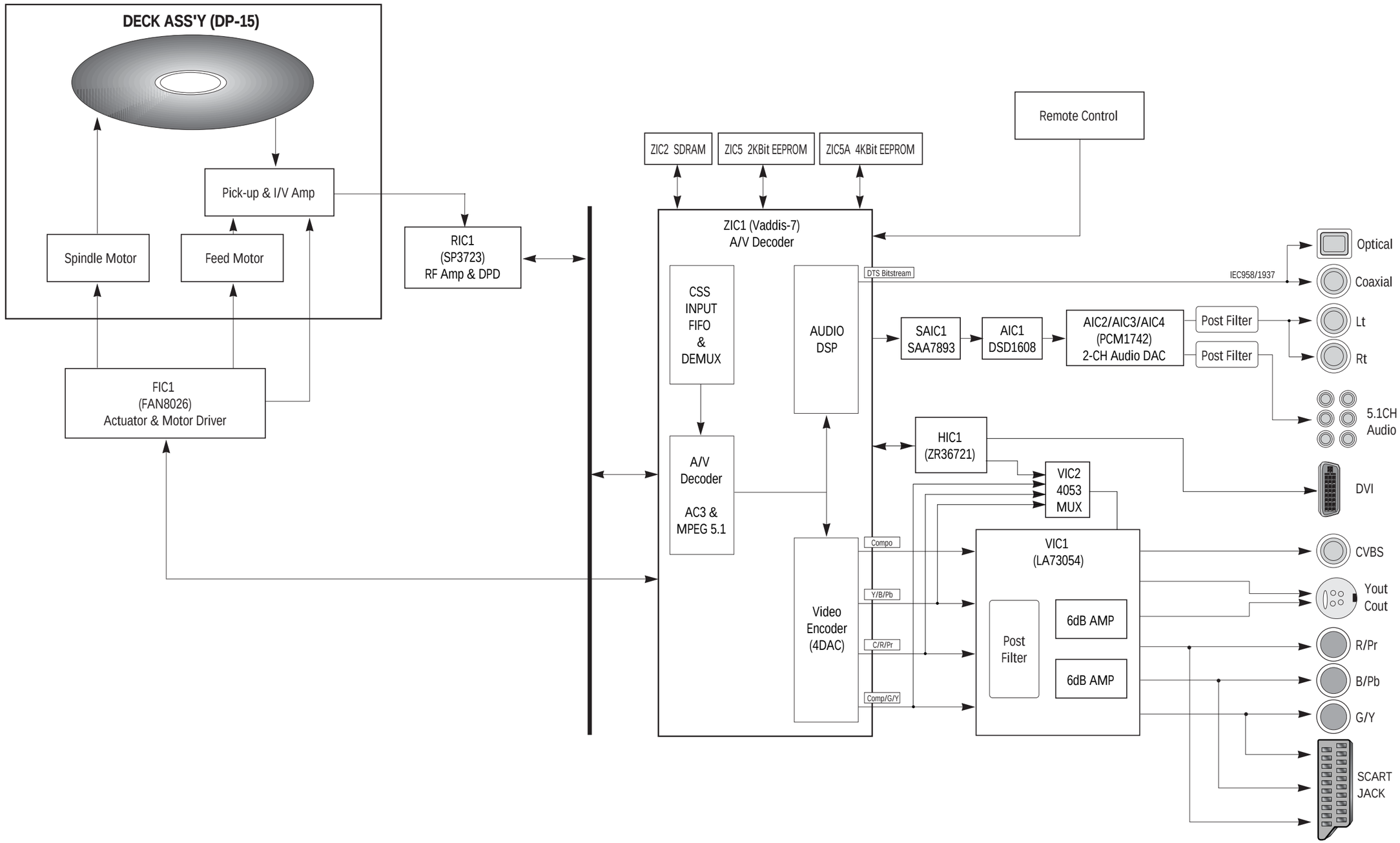
Loc.No	Part No	Description ; Specification	Remark
ZC3	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC30	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC31	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC32	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC33	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC34	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC37	2203-000426	C-CER,CHIP;0.018NF,5%,50V,C0G,TP,1608	
ZC39	2203-000426	C-CER,CHIP;0.018NF,5%,50V,C0G,TP,1608	
ZC4	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC40	2203-000257	C-CER,CHIP;10nF,10%,50V,X7R,TP,1608	
ZC41	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC42	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC43	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC44	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC45	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC46	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC47	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC48	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC5	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC6	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC7	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC8	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC80	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC81	2203-000669	C-CER,CHIP;27nF,10%,25V,X7R,TP,1608,-	
ZC82	2203-000669	C-CER,CHIP;27nF,10%,25V,X7R,TP,1608,-	
ZC83	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZC84	2203-005065	C-CER,CHIP;1000nF,+80-20%,10V,Y5V,-,1608	
ZC9	2203-005148	C-CER,CHIP;100nF,10%,16V,X7R,TP,1608	
ZE1	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
ZE2	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
ZE3	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
ZE5	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
ZE6	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
ZE7	2401-001507	C-AL;47uF,20%,16V,GP,TP,6.3x5,5	
ZE8	2401-002438	C-AL;47uF,20%,50V,WT,TP,6.3x11,5	
ZE9	2401-001479	C-AL;470UF,20%,10V,GP,TP,6.3*11MM,-	
ZIC1	1204-002307	IC-DECODER;ZR36778,PQFP,208P,28x28mm,PLA	
ZIC2	1105-001535	IC-DRAM;M12L128168A-7T,4X2MX16BIT,TSOP	
ZIC3	1107-001242	IC-FLASH MEMORY;39VF160,1Mx16,TSOP,48P,1	
ZIC4	0801-002701	IC-CMOS LOGIC;74VHCT125A,BUFFER,TSSOP,14	
ZIC5	1103-001204	IC-EEPROM;24C021,256x8,SOP,8P,5.13x3.95m	
ZIC5A	1103-001134	IC-EEPROM;24C040,512x8,SOP,8P,5.13x3.95m	
ZIC6	AH14-10004R	IC;M74HCU04,SOP,TAPE 14P	
ZL1	3301-001419	BEAD-SMD;-,220,-,500,TP,-,0.3	
ZL11	3301-001419	BEAD-SMD;-,220,-,500,TP,-,0.3	
ZL2	3301-001419	BEAD-SMD;-,220,-,500,TP,-,0.3	
ZL3	3301-001419	BEAD-SMD;-,220,-,500,TP,-,0.3	
ZL4	3301-001419	BEAD-SMD;-,220,-,500,TP,-,0.3	
ZL5	3301-000314	BEAD-SMD;120ohm,1.6x0.8x0.8mm,150mA,,,,	
ZL6	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
ZL8	2007-000033	R-CHIP;0ohm,5%,1/4W,TP,3216	
ZR10	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR100	3301-001309	BEAD-SMD;47ohm,1.6x0.8x0.8mm,500mA,TP,-	
ZR11	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR12	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR13	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR14	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR15	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR16	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR17	2007-007277	R-CHIP;392ohm,1%,1/10W,TP,1608	
ZR18	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR19	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR2	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR20	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR21	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR22	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	

Loc.No	Part No	Description ; Specification	Remark
ZR23	2011-000816	R-NET;100OHM,5%,1/16W,L,CHIP,8P,TP	
ZR24	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
ZR27	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR28	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR3	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR30	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR31	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR32	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR33	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR4	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR46	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
ZR47	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR48	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR49	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR50	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR51	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR52	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR53	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR54	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR60	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR61	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR62	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR63	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR64	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR65	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR66	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR67	2007-000113	R-CHIP;33ohm,5%,1/10W,TP,1608	
ZR70	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR71	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR72	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
ZR73	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
ZR74	2007-000074	R-CHIP;100ohm,5%,1/10W,TP,1608	
ZR76	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR77	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR78	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR79	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR8	3301-001309	BEAD-SMD;47ohm,1.6x0.8x0.8mm,500mA,TP,-	
ZR80	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR81	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR82	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR83	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
ZR84	2007-000109	R-CHIP;1Mohm,5%,1/10W,TP,1608	
ZR85	2007-000329	R-CHIP;11Kohm,5%,1/10W,TP,1608	
ZR86	2007-000078	R-CHIP;1Kohm,5%,1/10W,TP,1608	
ZR89	2007-000084	R-CHIP;4.7Kohm,5%,1/10W,TP,1608	
ZR9	2007-001164	R-CHIP;75ohm,1%,1/10W,TP,1608	
ZR90	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR91	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR92	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR93	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR94	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR95	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR96	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR97	2007-000779	R-CHIP;33ohm,1%,1/10W,TP,1608	
ZR98	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZR99	2007-000070	R-CHIP;0ohm,5%,1/10W,TP,1608	
ZY1	2801-003554	CRYSTAL-UNIT;27MHz,10ppm,28-AAM,12pF,40o	
P005	**AK92-00446A**	**ASSY PCB-FRONT KEY;DVD-HD841,FRONT KEY A**	
FCON1	3708-001050	CONNECTOR-FPC/FFC/PIC;6P,1.25MM,ANGLE,SN	
FCON2	3711-000967	CONNECTOR-HEADER;BOX,4P,1R,2mm,ANGLE,SN	
FKEY1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FKEY2	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FKEY3	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FKEY4	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
FKR1	2001-000007	R-CARBON;3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FKR2	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
FKR3	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
H254	3809-001410	FFC CABLE-FLAT;30V,80C,100MM,6P,1.25MM,U	
P006	**AK92-00447A**	**ASSY PCB-POWER KEY;DVD-HD841,POWER KEY A**	
C1	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
L100	AK39-00054A	LEAD CONNECTOR-ASS'Y;DVD-HD841,#1007,26,	
LED1	0601-001858	LED;INVERTER,BLUE,3mm,468nm,3.6x3.	
LED2	0601-001587	LED;ROUND,RED,3.1mm,635nm,3.8x5.2m	
TACK1	3404-000165	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	

This Document can not be used without Samsung's authorization.

MEMO

5. Block Diagram



MEMO

This Document can not be used without Samsung's authorization.

6. Schematic Diagrams

6-1 Power ---------- 6-2

6-2 AV-Decoder/Main-Micom ---------- 6-3

6-3 Servo ---------- 6-4

6-4 Video ---------- 6-5

6-5 Audio ---------- 6-6

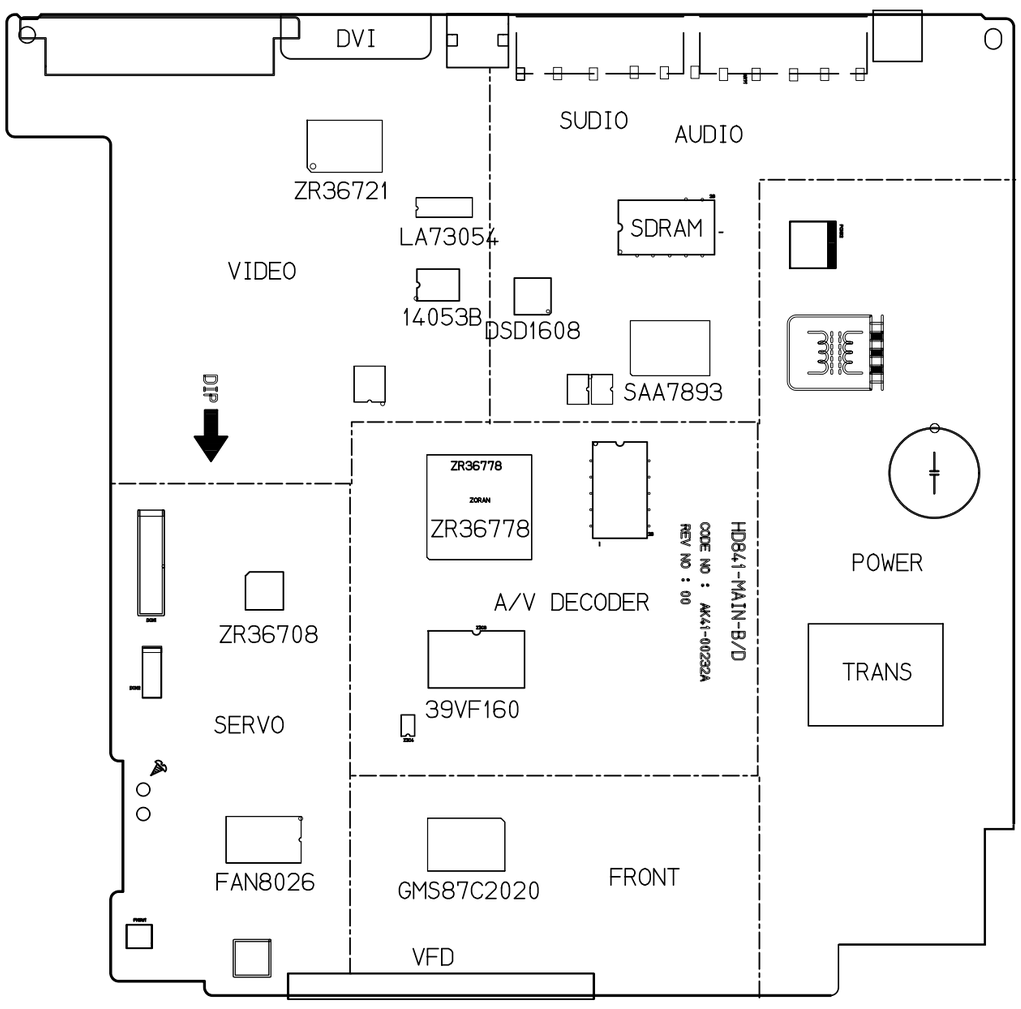
6-6 SACD ---------- 6-7

6-7 Front-Micom ---------- 6-8

6-8 DVI ---------- 6-9

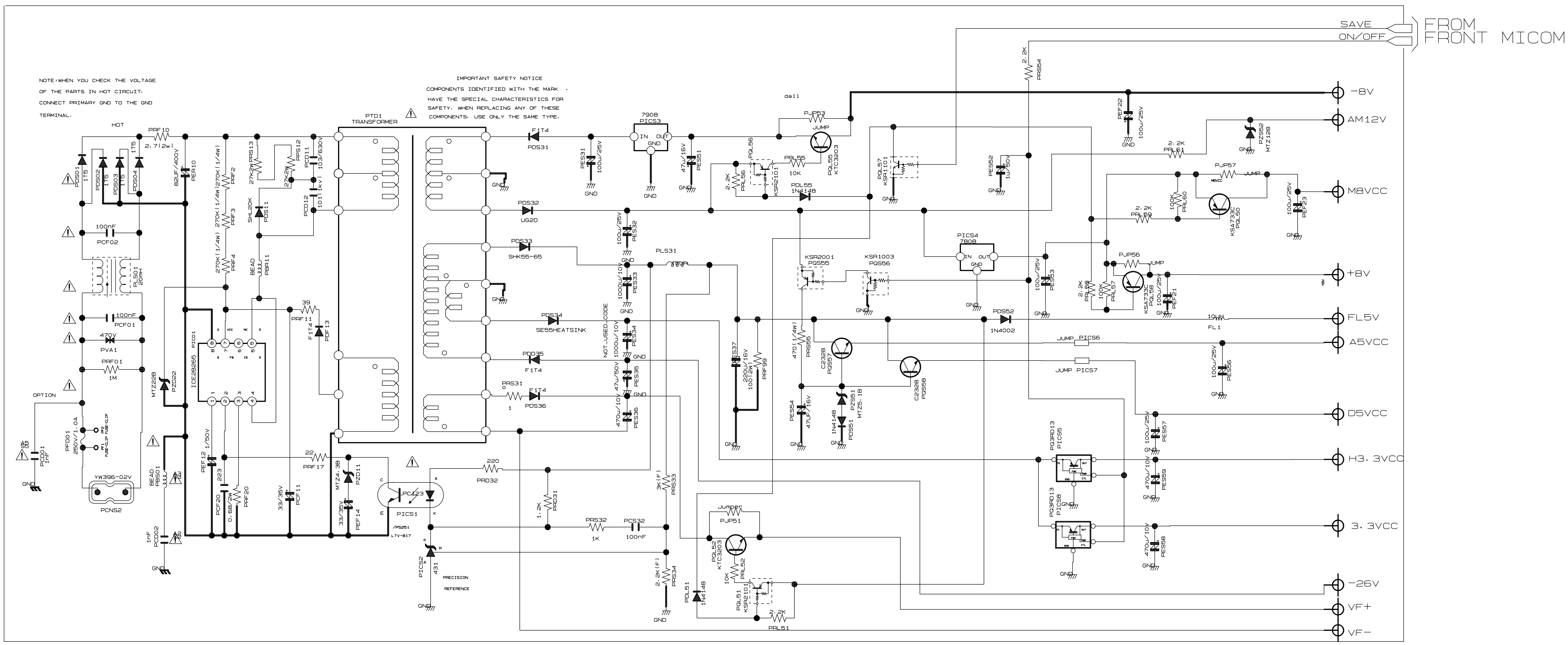
6-9 Key ---------- 6-10

Block Identification of PCB



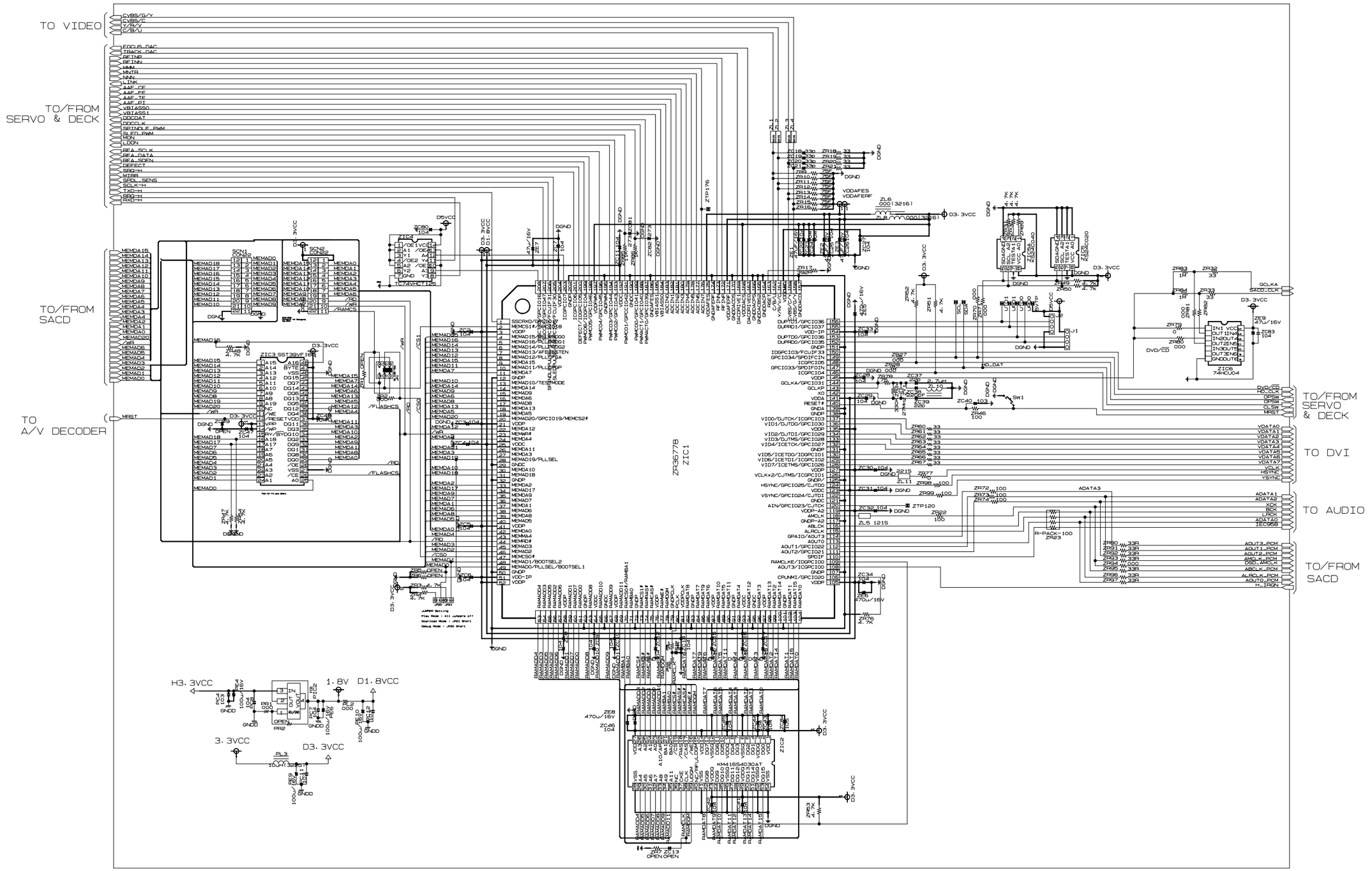
Main PCB (Component Side)

6-1 Power

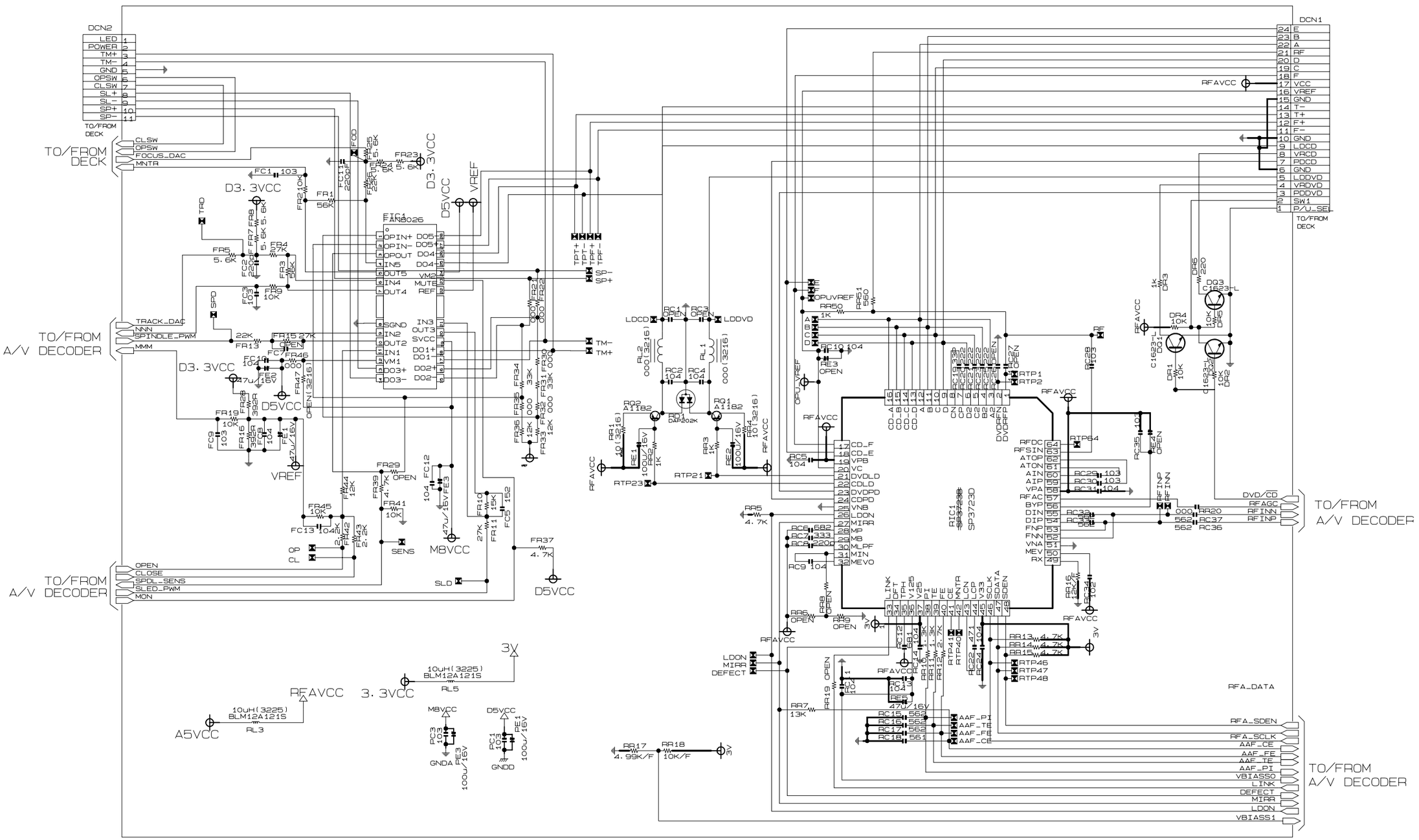

NOTE:WHEN YOU CHECK THE VOLTAGE
OF THE PARTS IN HOT CIRCUIT.
CONNECT PRIMARY GND TO THE GND
TERMINAL.
IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK .
HAVE THE SPECIAL CHARACTERISTICS FOR
SAFETY. WHEN REPLACING ANY OF THESE
COMPONENTS. USE ONLY THE SAME TYPE.
PTD1
TRANSFORMER
HOT
PRF10
2.7(2W)
82UF/400V
PER10
PDS01
PDS02
PDS03
PDS04
1T5
100nF
PCF02
PLS01
20mH
PCF01
470V
PVA1
PRF01
1M
OPTION
PFD01
250V/1.0A
PCD01
1nF
YW396-02V
PCNS2
BEAD
PBS01
PCD02
1nF
GND
MTZ22B
PZD22
ICE2B265
PIC01
270K(1/4W)
PRF2
PRF3
PRF4
PRS13
27K2W
PPS12
PCD11
103/630V
PCD12
101(1kV)
SHL20K
PDS11
BEAD
PBR11
39
PRF11
F1T4
PDF13
PEF12
1/50V
223
PCF20
0.68/2W
PRF20
33/35V
PCF11
22
PRF17
MTZ4.3B
PZD11
PEF14
PC123
PICS1
/PS251
LTV-817
PICS2
431
PRECISION
REFERENCE
220
PRD32
1.2K
PRD31
PRS32
1K
PCS32
100nF
3K(F)
PRS33
2.2K(F)
PRS34
PDS31
PES31
100u/25V
7908
PICS3
IN
OUT
47u/16V
PES51
PDS32
UG2D
100u/25V
PES32
PDS33
SHK55-65
PLS31
1000U/10V
PES33
PDS34
SE55HEATSINK
NOT_USED_CODE
1000u/10V
PES34
PDD35
47u/50V
PES35
PRS31
PDS36
470u/10V
PES36
PES37
220U/16V
100(2W)
PRF99
dall
PJP53
JUMP
PQL55
KTC3203
PQL56
KSR2101
PRL56
2.2K
PRL55
10K
PDL55
1N4148
PQL57
KSR1101
PES52
1U/50V
KSR2001
PQS55
KSR1003
PQS56
470(1/4W)
PRS55
C2328
PQS57
PQS58
PES54
47UF/16V
PDS51
PZS51
MTZ5.1B
PICS4
7808
PDS52
1N4002
100u/25V
PES53
JUMP PICS6
JUMP PICS7
PQ3RD13
PICS5
PICS8
Jumper
PJP51
PQL52
PRL52
PQL51
PDL51
PRL51
2.2K
PRS54
PEF22
PRL61
PZS52
MTZ12B
PJP57
PRL60
100K
PRL59
KSA733C
PQL50
PEF23
PJP56
PRL58
PRL57
PQL58
PEF21
10UH
FL1
PES56
100u/25V
PES57
470u/10V
PES59
PES58
SAVE
ON/OFF
FROM
FRONT MICOM
-8V
AM12V
M8VCC
+8V
FL5V
A5VCC
D5VCC
H3.3VCC
3.3VCC
-26V
VF+
VF-

This Document can not be used without Samsung's authorization.

6-2 AV-Decoder/Main-Micom

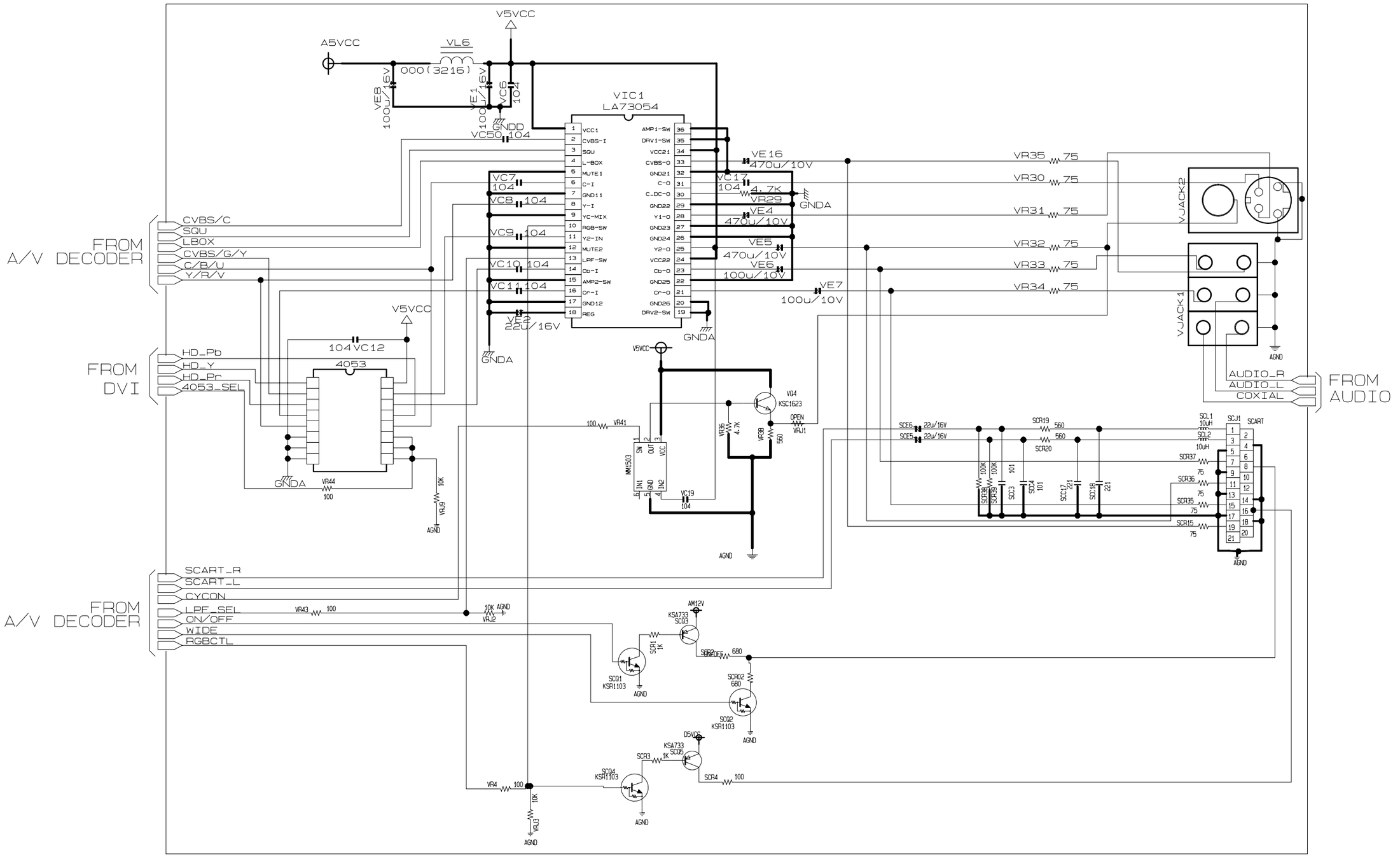


6-3 Servo

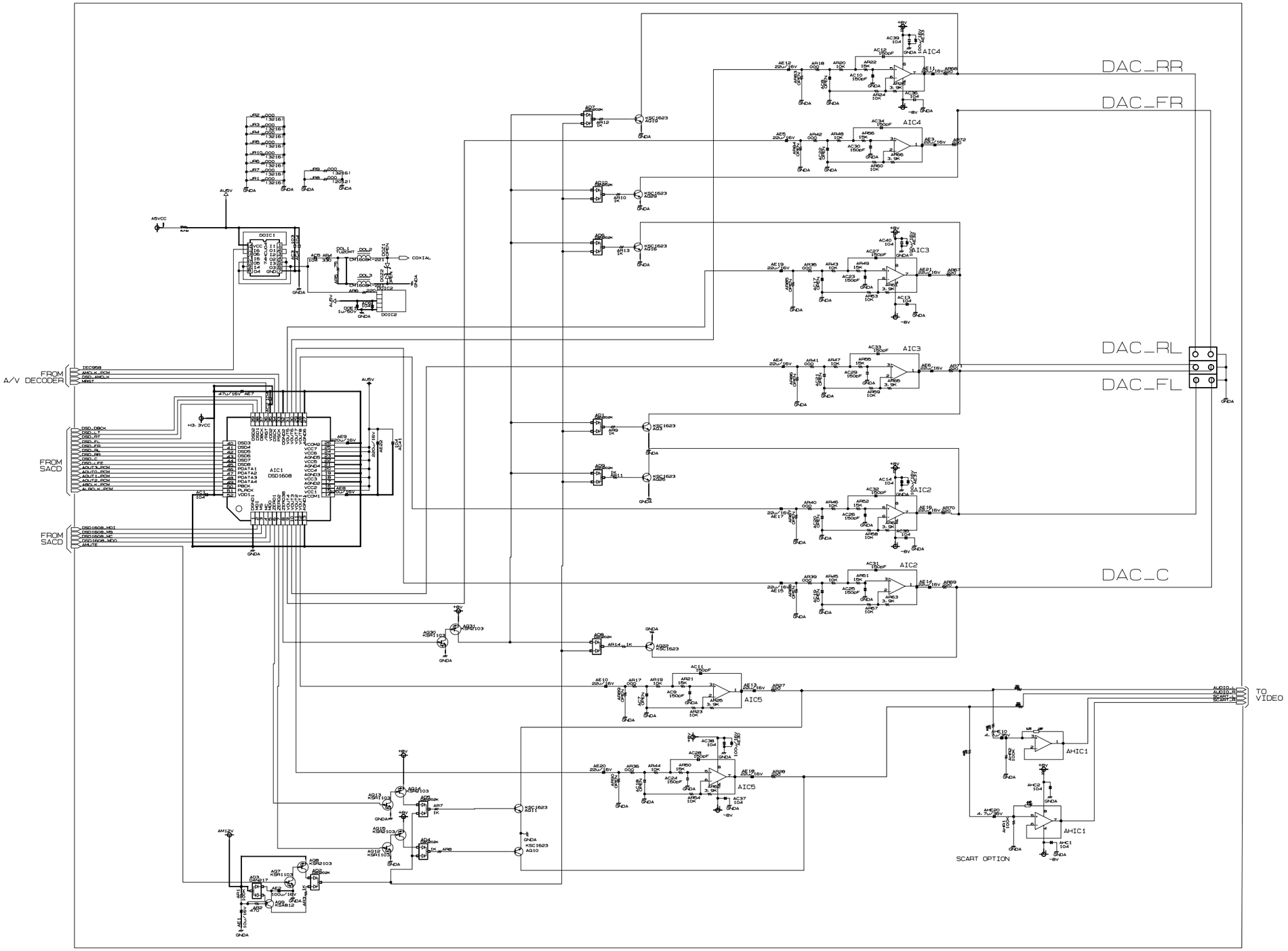


This Document can not be used without Samsung's authorization.

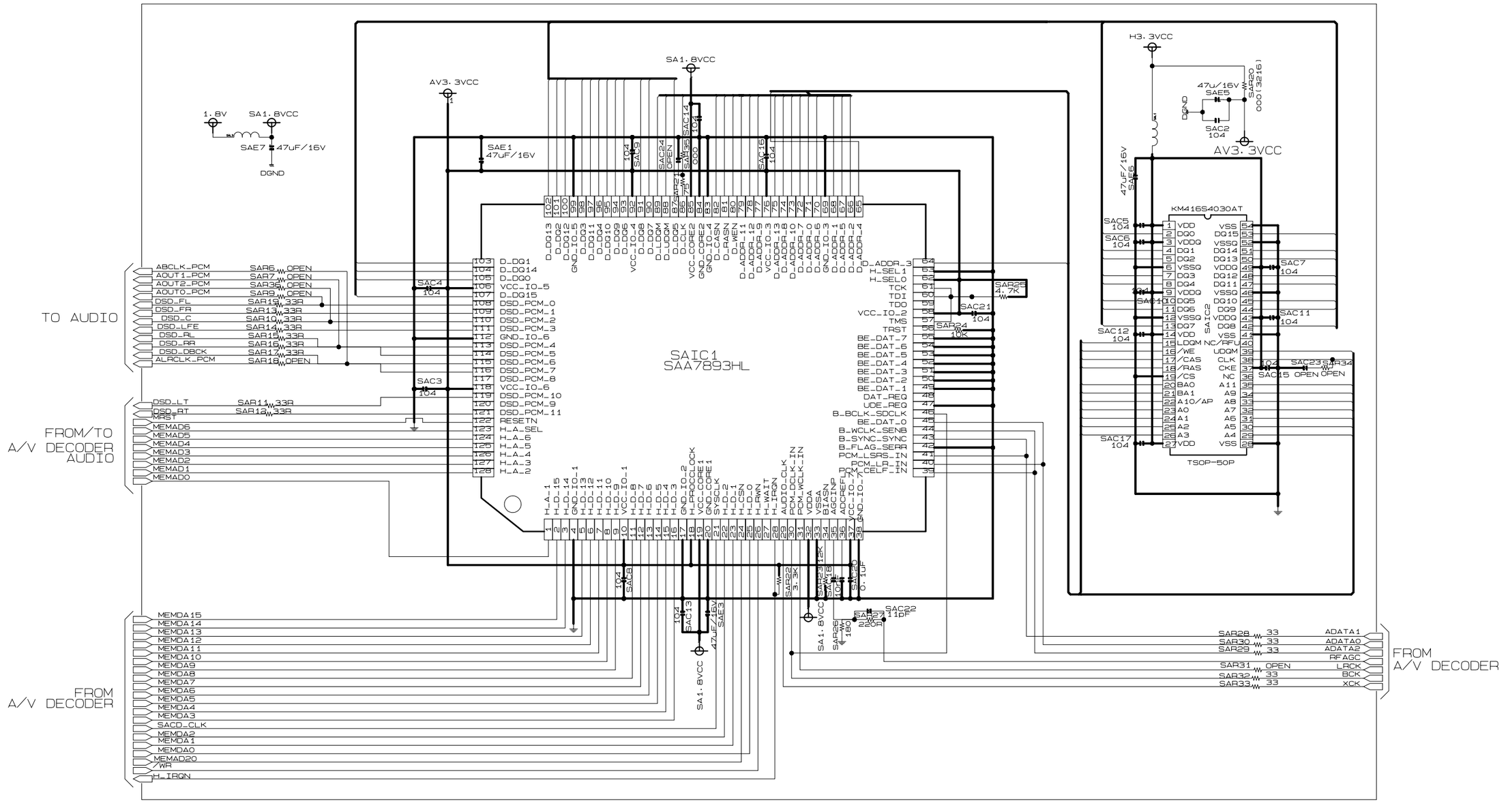
6-4 Video


V5VCC
A5VCC
VL6
000(3216)
VE8 100u/16V
VE1 100u/16V
VC6 104
VIC1
LA73054
VC50 104
GNDD
VE16 470u/10V
VC17 104
4.7K
VR29
GNDA
VE4 470u/10V
VE5 470u/10V
VE6 100u/10V
VE7 100u/10V
VC7 104
VC8 104
VC9 104
VC10 104
VC11 104
VE2 22u/16V
VR35 75
VR30 75
VR31 75
VR32 75
VR33 75
VR34 75
VJACK2
VJACK1
AGND
FROM A/V DECODER
CVBS/C
SQU
LBOX
CVBS/G/Y
C/B/U
Y/R/V
FROM DVI
HD_Pb
HD_Y
HD_Pr
4053_SEL
104 VC12
4053
VR44 100
10K VR49
VC19 104
MM1503
VR41 100
VQ4 KSC1623
OPEN VRJ1
VR36 4.7K
VR38 560
FROM AUDIO
AUDIO_R
AUDIO_L
COXIAL
SCE6 22u/16V
SCE5 22u/16V
SCR19 560
SCR20 560
SCL1 10uH
SCL2 10uH
SCJ1
SCART
SCR37 75
SCR36 75
SCR35 75
SCR15 75
SCR35 100K
SCR39 100K
SCC3 101
SCC4 101
SCC17 221
SCC18 221
FROM A/V DECODER
SCART_R
SCART_L
CYCON
LPF_SEL
ON/OFF
WIDE
RGBCTL
VR43 100
10K VRJ2
AM12V
KSA733 SCQ3
SCR1 1K
SCQ1 KSR1103
SCR2 680
SCR02 680
SCQ2 KSR1103
D5VDC
KSA733 SCQ5
SCR3 1K
SCQ4 KSR1103
VR4 100
SCR4 100
10K VRJ3

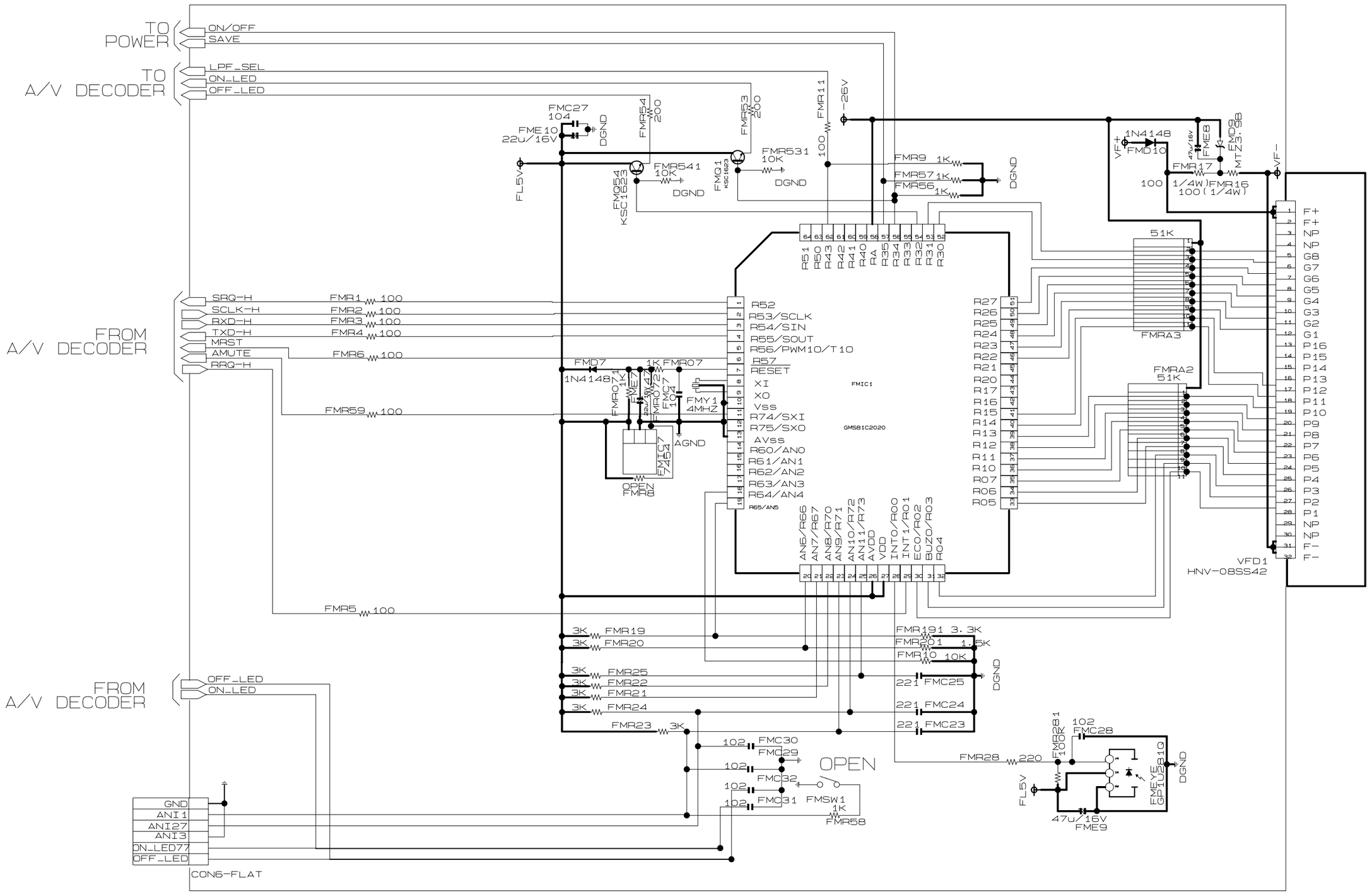
6-5 Audio


FROM A/V DECODER
IEC958
AMCLK_PCM
DSD_MCLK
MRST
FROM SACD
DSD_DBCK
DSD_LT
DSD_RT
DSD_FL
DSD_RL
DSD_RR
DSD_C
DSD_LFE
AOUT3_PCM
AOUT0_PCM
AOUT1_PCM
AOUT2_PCM
MDCLK_PCM
ALRCLK_PCM
FROM SACD
DSD160B_MDI
DSD160B_MS
DSD160B_MC
DSD160B_MDO
AM1TE
AIC1
DSD160B
DAC_RR
DAC_FR
DAC_RL
DAC_FL
DAC_C
AIC4
AIC3
AIC2
AIC5
AHIC1
SCART OPTION
TO VIDEO
COAXIAL
DOIC1
DOIC2
+8V
-8V
+3.3VCC
A5VCC
AM12V
GNDA

6-6 SACD

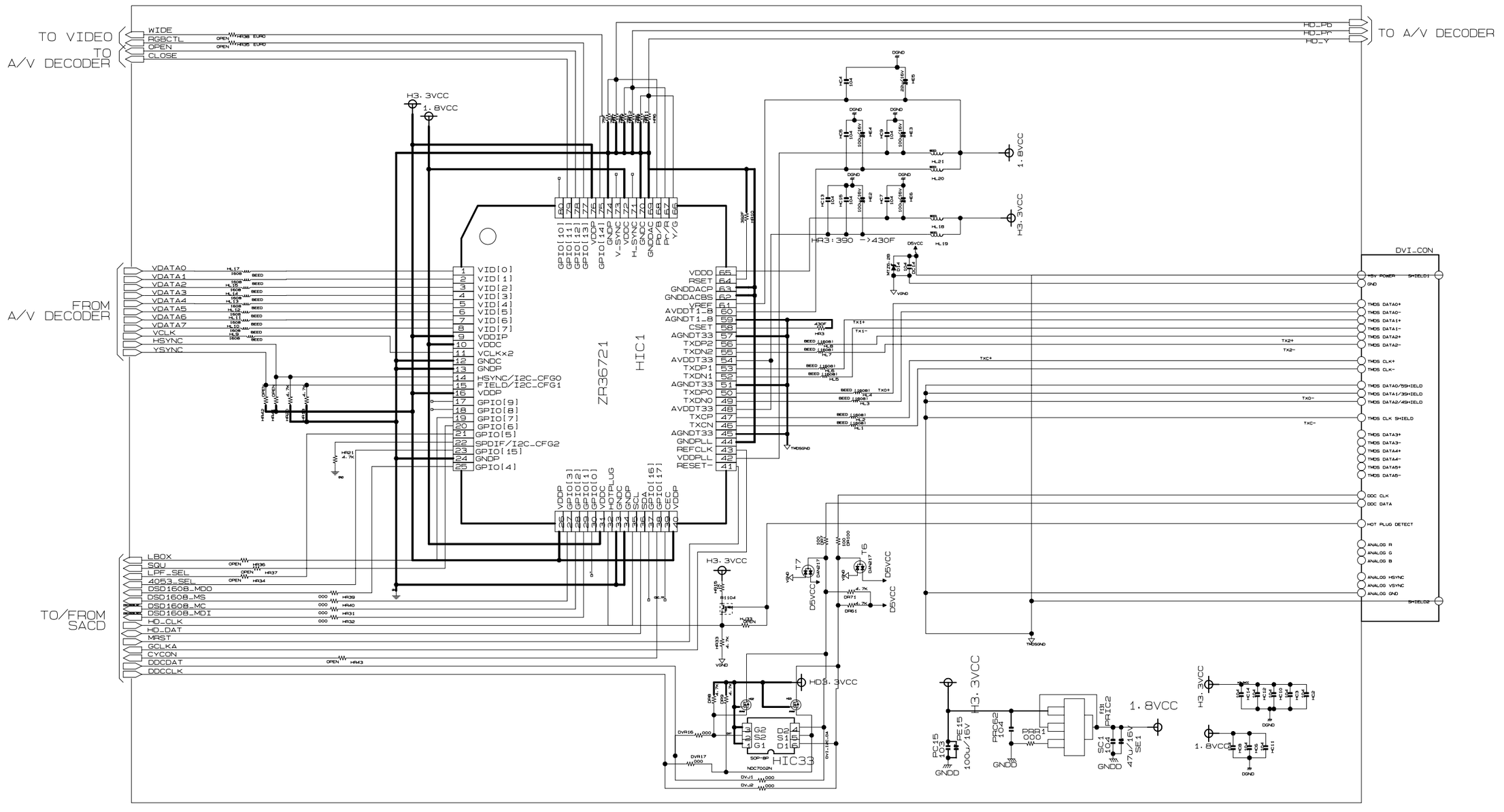

TO AUDIO
FROM/TO A/V DECODER AUDIO
FROM A/V DECODER
FROM A/V DECODER
SAIC1
SAA7893HL
SAIC2
KM416S4030AT
TSOP-50P
1.8V
SA1.8VCC
AV3.3VCC
H3.3VCC
DGND
SAE7 47uF/16V
SAE1 47uF/16V
SAE5 47u/16V
SAE6 47UF/16V
SAE2 47UF/16V
SAE3 47UF/16V
SAR24 10K
SAR25 4.7K
SAR22 3.3K
SAR23 12K
SAR26 150
SAR27 220R
SAR34 0
SAR35 000
SAR36 000
SAR20 000(3216)
SAC21 104
SAC20 0.1UF
SAC22 11PF
SAC15 OPEN
SAR31 OPEN
SAR34 OPEN
SAR11 33R
SAR12 33R
SAR13 33R
SAR14 33R
SAR15 33R
SAR16 33R
SAR17 33R
SAR18 OPEN
SAR6 OPEN
SAR7 OPEN
SAR8 OPEN
SAR9 OPEN
SAR10 33R
SAR28 33
SAR29 33
SAR30 33
SAR32 33
SAR33 33
ABCLK_PCM
AOUT1_PCM
AOUT2_PCM
AOUT0_PCM
DSD_FL
DSD_FR
DSD_C
DSD_LFE
DSD_RL
DSD_RR
DSD_DBCK
ALRCLK_PCM
DSD_LT
DSD_RT
MRST
MEMAD6
MEMAD5
MEMAD4
MEMAD3
MEMAD2
MEMAD1
MEMAD0
MEMDA15
MEMDA14
MEMDA13
MEMDA12
MEMDA11
MEMDA10
MEMDA9
MEMDA8
MEMDA7
MEMDA6
MEMDA5
MEMDA4
MEMDA3
SACD_CLK
MEMDA2
MEMDA1
MEMDA0
MEMAD20
/WR
H_IRQN
ADATA1
ADATA0
ADATA2
RFAGC
LRCK
BCK
XCK

6-7 Front-Micom

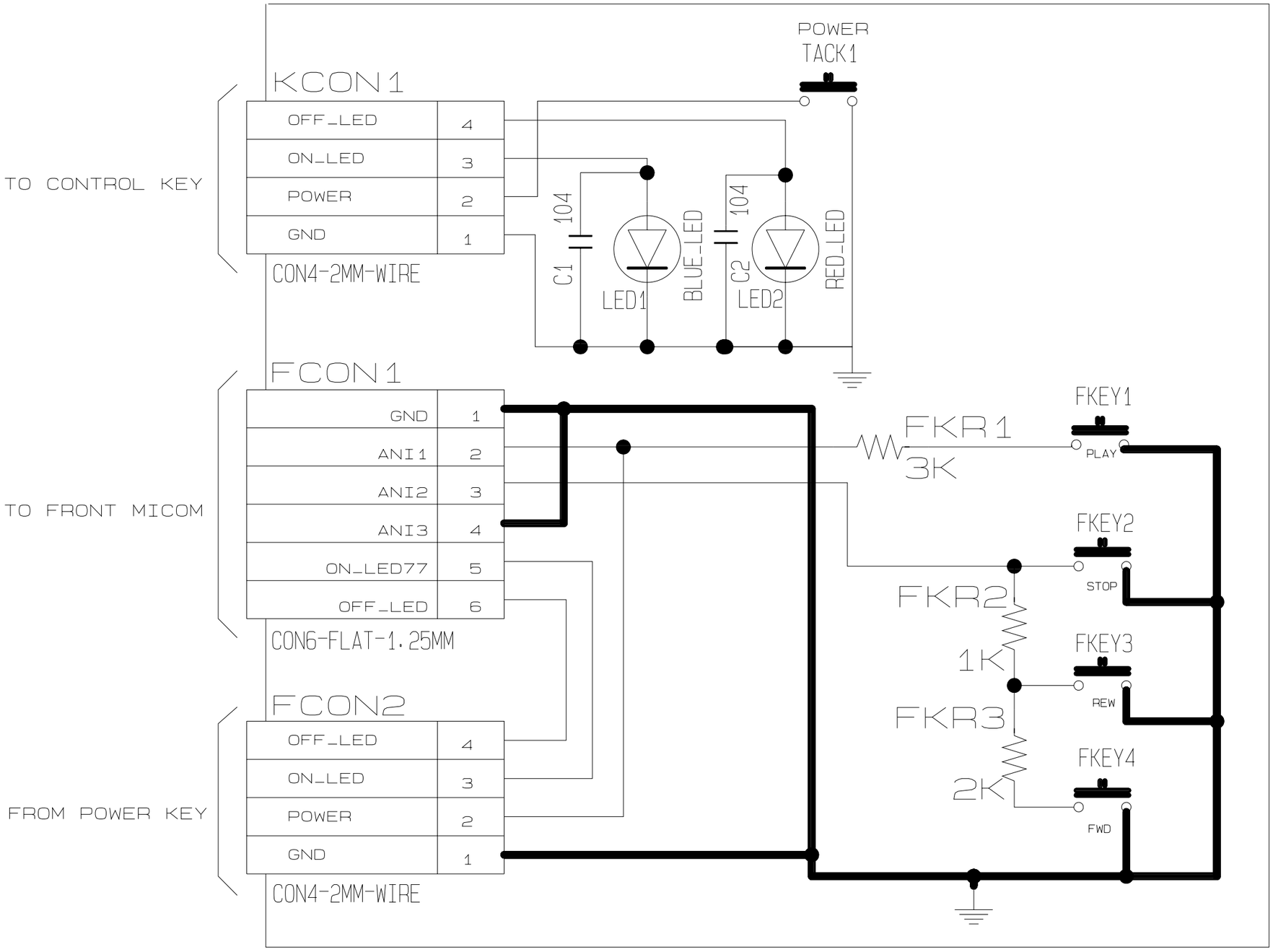


This Document can not be used without Samsung's authorization.

6-8 DVI


TO VIDEO
TO
A/V DECODER
WIDE
RGBCTL
OPEN
CLOSE
TO A/V DECODER
HD_PB
HD_PR
HD_Y
H3.3VCC
1.8VCC
FROM
A/V DECODER
VDATA0
VDATA1
VDATA2
VDATA3
VDATA4
VDATA5
VDATA6
VDATA7
VCLK
HSYNC
VSYNC
VID[0]
VID[1]
VID[2]
VID[3]
VID[4]
VID[5]
VID[6]
VID[7]
VDDIP
VDDC
VCLKx2
GNDC
GNDP
HSYNC/I2C_CFG0
FIELD/I2C_CFG1
VDDP
GPIO[9]
GPIO[8]
GPIO[7]
GPIO[6]
GPIO[5]
SPDIF/I2C_CFG2
GPIO[15]
GNDP
GPIO[4]
ZR36721
HIC1
VDDD
RSET
GNDDACP
GNDDACBS
VREF
AVDDT1_8
AGNDT1_8
CSET
AGNDT33
TXDP2
TXDN2
AVDDT33
TXDP1
TXDN1
AGNDT33
TXDP0
TXDN0
AVDDT33
TXCP
TXCN
AGNDT33
GNDPLL
REFCLK
VDDPLL
RESET-
GPIO[3]
GPIO[2]
GPIO[1]
GPIO[0]
VDDC
HOTPLUG
GNDC
SCL
SDA
GPIO[16]
GPIO[17]
CEC
VDDP
TO/FROM
SACD
LBOX
SQU
LPF_SEL
4053_SEL
DSD1608_MDO
DSD1608_MS
DSD1608_MC
DSD1608_MDI
HD_CLK
HD_DAT
MRST
GCLKA
CYCN
DDCDAT
DDCCLK
HR3:390 ->430F
DVI_CON
+5V POWER
SHIELD1
GND
TMDS DATA0+
TMDS DATA0-
TMDS DATA1+
TMDS DATA1-
TMDS DATA2+
TMDS DATA2-
TMDS CLK+
TMDS CLK-
TMDS DATA0/5SHIELD
TMDS DATA1/3SHIELD
TMDS DATA2/4SHIELD
TMDS CLK SHIELD
TMDS DATA3+
TMDS DATA3-
TMDS DATA4+
TMDS DATA4-
TMDS DATA5+
TMDS DATA5-
DDC CLK
DDC DATA
HOT PLUG DETECT
ANALOG R
ANALOG G
ANALOG B
ANALOG HSYNC
ANALOG VSYNC
ANALOG GND
SHIELD2
TX1+
TX1-
TX2+
TX2-
TXC+
TXC-
TXO+
TXO-
HD5.3VCC
HIC3
NDC7002N
T6
T7
DAN217
D5VCC
TMDSGND
DGND
VGND

6-9 Key



This Document can not be used without Samsung's authorization.